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Product Technical Data

AM 410 Water Based Concrete Colorant/Densifier

Product Description

AM 410 Water Based Concrete Colorant/Densifier is a one component UV stable water based colorant for interior or exterior concrete. This product hardens, dust-proofs and adds color to concrete. AM 410 is ideal for residential or commercial broom finish concrete including porches, driveways, patios, sidewalks and pool decks. This product is also suitable for interior concrete floors in basements or garages.

Benefits of Use

- This product is compatible with most concrete and cement compositions and is compatible with alkaline substrates
- The coloring compounds are of the type used in printing inks and exterior lithographs and as such are durable and color fast
- Contains Zero VOC's and is compliant nationwide
- All colors are compatible when mixed together and this allows for a broad color range for final color selection
- Colorant is UV color stable
- This penetrating formula is easy to use, clean and maintain
- Densifies the concrete as it colors the surface
- Sold as a concentrate for easy storage and shipment

Volatile Organic Content:
Zero

Colors Available:
Sand, Saddle Brown, Walnut, Burnt Sienna, Olive Green and Steele Blue. Many other colors are available with a lead time and minimum quantities.

Coverage Per Gallon:
The Colorant will normally cover 600—800 square feet per gallon on mechanically finished concrete and 300—400 square feet per gallon on porous concrete. Coverage can vary dependent on the concrete porosity and texture.

Packaging Information:
This product is available in a quart container (about 0.20 gallons) that when mixed with water will yield 1 gallon. Add 4 parts water to one part Concentrate by volume.

Shelf Life:
Approximately One (1) year in unopened containers when stored properly.

Finish Characteristics:
This product does not change the overall appearance of the substrate except for the addition of the effects of coloring. After the material is applied and allowed to dry, it will not be readily apparent that the application has occurred, except the concrete will be colored.

Dot Classification:
Not Regulated

Cure Schedule (70°):
After the first coat application, allow the material to dry one hour or until totally tack free before additional coats are applied. Allow the colorant to thoroughly dry before applying the Concrete Sealer.

Application Temperature:
55-80° degrees Fahrenheit.

Primer:
None required. Multiple applications of this product are recommended.

Topcoat:
This product should be coated or sealed with any suitable coating to protect and preserve the color. We recommend AM 415 Exterior Concrete Sealer.

Limitations:
The surface should be clean and dry before applying. Prevent all over-spray of Colorant from contacting only the surface to be colored as it may stain anything it comes in contact with by using appropriate paper shields, plastic coverings and tape. Always apply a test patch to determine suitability as denser substrates and substrates containing curing compounds or chemical contaminants may not allow the Colorant to penetrate the substrate properly.

Variations and inconsistent color can be expected as the penetration and tinting strength will vary from surface to surface depending on the age, porosity, smoothness, cleanliness, density and the general condition and composition of the floor. Always apply a test patch to determine color acceptance and suitability.

The Colorant can wash out over time if a suitable sealer or topical coating is not used. Resealing periodically with a suitable sealer is recommended maintenance. Always apply in thin coats, two to three coats recommended. New concrete should be cured for 28 days prior to coloring and sealing.

DO NOT back-roll or back-brush. Do not apply on rainy or foggy days. Allow for 24 hours of rain free cure Excess moisture in the concrete can effect topcoat sealer curing properly. Product is to be applied with a suitable sprayer only.

WARNING: Keep out of the reach of children and read the MSDS and warranty and limitations to liability information before using.

Protective sealers will not prevent all stains and some shadowing may occur. Remove spills promptly for best results.

See reverse side for application instructions.

AM 410 Instructions:

1) PRODUCT STORAGE: Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 55 and 80 degree F. Keep from freezing.

2) SURFACE PREPARATION: All dirt, oil, dust, foreign contaminants, water proofing agents, waxes and laitance must be removed to assure a trouble free application. When necessary, a suitable cleaning agent is utilized prior to further surface preparation. The concrete should be properly cured for a minimum of 28 days prior to the application.

* For Porous concrete such as broom finishes or stamped concrete, power wash the surface to remove all stains or use any other suitable cleaning method. There should be no sealers or coatings present to affect surface penetration of the colorant. Any stains or contaminants not removed may cause some surface discolorations when the colorant is applied. Make sure the surface is completely dry before applying the colorant.

* For non-porous concrete (mechanically finished), the surface should be profiled with an appropriate grinder or other acceptable equipment to a 150 grit finish or equivalent. Generally, metal bond 40s and 80s are used prior to the grinding the slab with the metal bond 150 or use a swing type buffer fitted with an aggressive Strato-Grip type brush to remove the soft layer (cream). Failure to remove the soft layer could result in loss of concrete surface and color. Any stains or contaminants not removed may cause some surface discolorations when the colorant is applied. Make sure the surface is completely dry for applying the colorant.

*After the floor is cleaned properly and prepared and before ant application begins, the surface must be checked to insure that water can penetrate the surface. This is done by applying a teaspoon of water on the surface. If it is readily absorbed, this would be the desired effect. If the water beads up on the surface, further grinding, sanding or cleaning may be necessary.

3) PRODUCT APPLICATION: MAKE SURE THAT THE PIGMENTS IN THE CONCENTRATE IS ENTIRELY MIXED INTO THE LIQUID BEFORE USING. Mix the concentrate with the proper amount of water. This is best accomplished by adding the concentrate to a pail and by using the same empty container, add 4 containers of the water to the concentrate (4 parts water to 1 part Concentrate). Stir the mixed material well before using.

*For Porous concrete such as broom finishes or stamping, apply the material in two applications. Use a suitable fine mist pump-able sprayer or a mechanical sprayer capable of spraying a fine mist pattern. Spray the first application lightly and allow to dry for one hour or until fully tack free. Then apply the second application the same as the first coat but going in the opposite direction. Spray in circular motions for a more uniform appearance. DO NOT BROOM or BRUSH APPLY. Make sure you properly mask all adjacent surfaces to prevent unwanted staining or coloring. If a darker color is desired, wait another hour and apply a third coat. Clean the sprayer immediately after each use.

*For Non-porous concrete (Mechanically Finished), apply in two light applications. Spray the first coat using a suitable fine mist pump-able sprayer or a mechanical sprayer capable of spraying a fine mist pattern. Then apply the second application the same as the first coat but going in the opposite direction. Spray in circular motions for a more uniform appearance DO NOT BROOM or BRUSH APPLY. Make sure you properly mask all adjacent surfaces to prevent unwanted staining or coloring. If a darker color is desired, wait another hour and apply a third coat. Clean the sprayer immediately after each use.

NOTE: AM 410 will not hide cracks, blemishes, stains, or other surface irregularities. The color produced will vary from Substrate to substrate and is dependent on many intangibles such as water/cement ratio, weather, application method, concrete mix, experience of the installer, number of coats applied as well as the porosity and smoothness of the concrete. It is possible that the concrete surface will not properly accept the water based dye, always test surface prior to any application.

4) TOP COATING: This product must be sealed in order to provide long term color acceptance. un-sealed, the product will lose some coloring when cleaned and eventually will fade in color.

5) CLEANUP: Use any suitable mild detergent and water.

6) SURFACE CLEANING: Caution! Although very unlikely, some cleaners may affect the color of the surface. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

7) RESTRICTIONS: Restrict the use of the floor (colorant and sealer) to light traffic and non-harsh chemicals for 24 hours. Allow the seal coat used to properly cure before the area is opened to traffic. Keep the floor dry for this period (excluding the application of the product.)

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Listed physical properties are typical and should not be construed as specifications.

NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may **CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.**

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Product Technical Data

AM 415 Exterior Concrete Sealer

Product Description

AM 415 Exterior Concrete Sealer is a one component water based low VOC fast drying sealer designed to protect and beautify decorative concrete and concrete colored with AM 410 colorant or other compatible colorant products. The product is suitable for both indoor and outdoor use.

Recommended For

Recommended for sealing colored or uncolored exposed aggregate concrete, stamped concrete, porous brick, manufactured and natural stone, stucco, slate, unglazed tile and flagstone.

Features

- **Fast drying and breathable.**
- **UV resistant and non-yellowing.**
- **Available as a concentrate for easy shipping and use.**

Volatile Organic Content:
Meets all federal VOC guidelines as well as the SCAQMD rule 1113

Colors Available:
This product is available in a clear only (appearance is a milky white liquid)

Coverage Per Gallon:
The Colorant will normally cover 600—800 square feet per gallon on mechanically finished concrete and 300—400 square feet per gallon on porous concrete. Coverage can vary dependent on the concrete porosity and texture.

Recommended Film Thickness:
Two to three coats will yield approximately 2-5 mils wet depending on type of concrete and the concrete porosity.

Coverage Per Gallon:
300-400 square feet per gallon for broom finished concrete or concrete that is not mechanically finished. and 400–600 square feet per gallon when applied to mechanically finished concrete.

Packaging Information:
This product is available in 1/2 gallon containers as a concentrate which mixes to make one gallon (volumes approximate) concrete will be colored.

Mix Ratio:
One component product, simply add to water and stir.

Shelf Life:
Approximately 1 year in unopened containers

Finish Characteristics:
Satin Finish

Viscosity:
Less than 100 cps (typical)

Dot Classifications:
Not Regulated

Cure Schedule (70°):
Allow material to cure until tack free to the touch between coats. Allow about 12 hours for Light foot traffic. For heavier foot traffic, allow the material to cure for 24 hours.
Note: The chemical resistance will improve over time until fully cured in about one week.

Application Temperature:
55-80° degrees Fahrenheit with relative humidity below 85%

Primer:
None Required

Topcoat:
Multiple light coats are recommended.

Limitations:

Do not use in the concentrated form, always dilute with water as specified. Clarity of color or gloss may be affected by high humidity, low temperatures or chemical exposure. Lighting like sodium vapor lights may affect clarity. Apply only as a fine spray mist in two to three thin even coats, DO NOT back-roll or back-brush.

Do not apply on rainy or foggy days or when rain is expected before a clear 24 hour rain free time is expected. Excessive concrete moisture or inclement weather will not allow the sealer to cure properly.

Substrate temperature must be 5°F above dew point and above 550F. All new concrete must be cured for at least 28 days. The surface must be completely dry before coating. When applying the multiple coats required, allow each preceding coat to dry tack free before applying the additional coats.

Do not use for a slip resistant coating. Too heavy of an application or applications over dense smooth concrete may become slippery, especially when wet or unclean. A sample should be applied to evaluate the slip resistance and suitability for use in the intended conditions such as wet conditions, contaminants, humidity, and other factors known to alter in place floor slip resistance.

The sealed surface should be inspected periodically for thin application areas or traffic worn areas. Reapplied as needed for proper surface protection. Normal traffic may require reapplications yearly. Physical properties listed on this technical data sheet are typical values and not specifications.

WARNING: Keep out of the reach of children and read the MSDS and warranty and limitations to liability information before using.

See reverse side for application instructions.

AM 415 Instructions:

1) PRODUCT STORAGE: Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 55 and 85 degree F. DO NOT allow product to freeze. Material that is frozen CANNOT be used when thawed.

2) SURFACE PREPARATION: All dirt, foreign contaminants, oil, laitance, curing agents and effervescence must be removed to assure a trouble free bond to the substrate Make sure the surface is completely dry before applying the sealer. In some applications, Pressure washing and power scrubbing may be necessary. The recommended surface profile is a CSP1. Surface preparation guidelines are written by ICRI and outlined in Guideline NO. 03732 Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, and Polymer Overlays. Paints, sealers, and curing compounds. A suitable cleaning solution can be used to clean the surface when required. If acid etching is used to clean or profile the surface, the slab must be thoroughly neutralized after the acid is rinsed from the surface. Follow the acid manufacturers recommendations. After acid cleaning, the, surface must then be flushed with clean water and neutralized with a pH neutralizer such as ammonia, baking soda, or T.S.P Repeat rinsing and neutralizing until the concrete is thoroughly neutralized. Acid residue left on the surface will prevent the sealer from penetrating. After all the concrete preparation work is performed, allow the surface to dry for at least 24 hours. Before applying the sealer, test the surface by placing a spoonful of water on the surface. If the water beads up on the surface, additional cleaning and testing must be done. Hydrostatic pressure may affect sealer performance. For applications over decorative colored concrete, surface preparation may have already been performed to apply the colorant. If the surface has already been cleaned and conditioned, then the coating can be applied without additional preparatory work as long as the floor is allowed to dry for 24 hours.

3) PRODUCT APPLICATION: Stir material before using. Apply material to the horizontal surface without thinning with a brush, mop or spraying equipment. When applying the material, always maintain a wet edge as this will reduce any chance of water spotting. When spraying, this product can damage vegetation, stain or etch glass, aluminum, metal and plastic. If contamination does occur, rinse it off with water immediately. If a white precipitate should form due to high acid content, or second coating, rinsing with water and a stiff broom will usually be able to remove the spotting.

Since AM 7936 densifier does not totally seal pores, water can still evaporate from the underlying surface. However, if capillary water is traveling toward the treated face, some of it will be stopped at the depth to which the AM 7936 has penetrated. At this point it will evaporate, passing through the treated area as water vapor. This normally will present no problem. However, if the capillary water source contains soluble salts, they will be deposited at this point within the substrate where this water evaporates. In essence, this reduces visible efflorescence but there is this danger: If capillary water deposits excessive amounts of soluble salts, their crystalline growth can develop sufficient pressure resulting in spalling.

Spalling may also result from substantial pressures of water freezing behind the face of the surface before evaporation can occur. These conditions both develop from outside sources of water. This product is developed to prevent the migration of water beneath the treated surface while still allowing water vapor to escape. Applications of this material will prevent positive side absorption of water and improve the capability of the substrate to resist spalling. Although the material will strengthen the substrate, outside sources of water may cause problems if the hydrostatic pressure is sufficiently great. After the product has been in contact with the substrate to allow for penetration and reaction, excess material can be removed by water or allowed to dry.

4) RE-COAT OR TOP COATING: Normally one coat is all that is required. It is best to make a second pass when desired while the substrate is still wet. Avoid overlapping wet to dry as this can cause water spotting because the product will not be able to penetrate a dry area that was treated as well as in an area that has been treated but not yet dried.

5) CLEANUP: Use any suitable mild detergent with a neutral pH to slightly alkaline pH and water.

6) FLOOR CLEANING: Caution! Although very unlikely, some cleaners may affect the color of the treated surface. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

7) RESTRICTIONS: Restrict the use of the floor to light traffic and non-harsh chemicals 24 hours has passed. Keep the floor dry for this period (excluding the application of the product and rinsing.)

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications.

NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. N0 WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may **CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.**

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Product Technical Data

AM 7936 Concrete Densifier

Product Description

AM 7936 Concrete Densifier is a one component water based lithium based solution designed to densify cement and concrete substrates. The lithium based densifier reacts with the cementitious ingredients to densify while allowing deep penetration to chemically harden and fortify the substrate. After the chemical reaction occurs, the substrate will be more abrasion resistant and help protect the surface from wear, moisture and efflorescence while remaining breathable.

Benefits of Use

- Concrete sidewalks, drives or floors
- Increases durability by improving resistance to freeze thaw effects
- Improves abrasion resistance and durability
- Improves weathering, densifies & reduces efflorescence of natural
- Stone, precast stone and cement
- Protects and fortifies concrete as it seals against moisture damage
- Application will reduce dusting and increase concrete life

Volatile Organic Content:
Water based material with No VOC's

Color:
Clear to very opaque color

Recommended Film Thickness:
Apply until surface is saturated without puddles. Can be applied by any suitable method such as spraying or mopping etc.

Coverage Per Gallon:
When the surface is fully saturated, coverage will depend on the absorptivity of the substrate resulting in 100 to 400 square feet per gallon coverage.

Packaging Information:
This product is available in 5 gallon and 50 gallon containers. (Approximately 8.5 pounds/gallon)

Shelf Life:
One year in unopened containers when stored between 50-80° degrees Fahrenheit.

Finish Characteristics:
Normally, this product does not change the overall appearance of the substrate. After the material is applied and allowed to dry for 24 hours, it will not be readily apparent that the application has occurred, except the concrete will be fortified and strengthened.

Abrasion Resistance:
The application of this product will increase the abrasion resistance of most substrates. Results will vary according to substrate type.

Adhesion:
Because this material becomes an integral part of the surface that is treated and does not form an impermeable barrier, delaminations do not occur.

Dot Classification:
Not Regulated

Viscosity:
Less than 25 cps

Cure Schedule (70°):
Allow the material to dry for a 24 hour period of time to obtain the maximum benefits of the application. This allows the material to react with the concrete and become an integral part of the substrate.

Application Temperature:
55-90(70°) degrees Fahrenheit. *When properly used, this product can reduce water absorption while still maintainin greater than 50% breathability.

Primer:
None required. If applying multiple coats, a wet edge should be maintained. If the AM 7936 dries between applications, water spotting may result.

Topcoat:
None required. Multiple coats of this product are compatible (see information under primer).

Limitations:

The surface can be damp prior to application but there should be no standing water or puddles.

The best application would be with a dry substrate.

Remove all overspray before drying from all glass or metal surfaces as this product can etch the surface.

Under certain conditions, a precipitate may be deposited as the lithium solution dries.

See application procedures on the reverse side for more details.

Always apply a test patch to determine the suitability before using.

Physical properties listed on this technical data sheet are typical values and not specifications.

WARNING: Keep out of the reach of children and read the MSDS and warranty and limitations to liability information before using.

See reverse side for application instructions.

AM 7936 Instructions:

1) PRODUCT STORAGE: Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 50° and 80° degree F. Keep from freezing.

2) SURFACE PREPARATION: All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free application. Under certain conditions, a precipitate may be deposited as the lithium solution dries. Substrates with a high acid level will react with the lithium solution and can cause some neutralization of the material before it is absorbed into the surface leaving a white precipitate. This white precipitate is more readily noticeable on darker concrete and substrates. A test should be made to determine that none of these conditions exist. The substrate can be damp prior to application but there should be no standing water or puddles.

3) PRODUCT MIXING: This product ships in a concentrate and must be reduced with water before use. The 1/2 gallon container of the concentrate (as supplied) when mixed with water will yield one gallon of ready to use Sealer. Simply pour the concentrate contents into container that will hold at least one gallon of liquid and fill the now empty container with water one time and add this amount to the concentrate. The mix ratio of sealer concentrate and water is one to one by volume. After mixing the water and concentrate, stir well before using. Mix with slow speed mixing equipment to avoid introducing air into the material.

4) PRODUCT APPLICATION: APPLY IN THIN COATS after mixing per the above instructions. Always test a small area of surface to verify appearance and suitability. Apply a fine mist of 2-3 light and even coats with a suitable fine mist pump-able sprayer or a mechanical sprayer capable of spraying a fine mist pattern. Multiple light applications are recommended for proper performance. Avoid heavy application of the sealer. Allow each application of the sealer to dry approximately1 hour prior to next sealer coat application. CAUTION: Do NOT back-roll or back-brush. Allow surface to dry for at least 12 hours for light foot traffic or 24 hours for heavier traffic. Apply with temperatures between 55 and 80°F. Clean sprayer immediately with water after applying.

5) RE-COAT OR TOP COATING: No topcoat is recommended except multiple coats of this product. For periodic maintenance, an additional coat(s) may be applied as needed after the surface is properly cleaned.

6) CLEANUP: Use soap and water or a suitable solvent.

7) FLOOR CLEANING: Caution! Some cleaners may affect the color of the products installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

8) RESTRICTIONS: Restrict the use of the floor to chemicals until the coating is fully cured (7 days)). It is best to let the floor remain dry for the full cure cycle as well.

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Listed physical properties are typical and should not be construed as specifications.

NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. N0 WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may **CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.**

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Product Technical Data

AM 7937 Concrete Densifier

Product Description

AM 7937 Concrete Densifier is a one component extra strength water based lithium based solution designed to density cement and concrete substrates. The lithium based densifier reacts with the cementation ingredients to densify while allowing deep penetration to chemically harden and fortify the substrate. After the chemical reaction occurs, the substrate will be more abrasion resistant and help protect the surface from wear, moisture and efflorescence while remaining breathable.

Benefits of Use

- **Concrete sidewalks, drives or floors**
- **Increases durability by improving resistance to freeze thaw effects and improves abrasion resistance and durability**
- **Improves weathering, densifies and reduces efflorescence of natural stone, precast stone and cement**
- **Protects and fortifies concrete as it seals against moisture damage**
- **Application will reduce dusting and increase concrete life**

Volatile Organic Content:
Water based material with No VOC's

Color:
Clear to very opaque color

Recommended Film Thickness:
Apply until surface is saturated without puddles. Can be applied by any suitable method such as spraying or mopping etc.

Coverage Per Gallon:
When the surface is fully saturated, coverage will depend on the absorptivity of the substrate resulting in 100 to 400 square feet per gallon coverage.

Packaging Information:
This product is available in 5 gallon and 50 gallon containers. (Approximately 8.5 pounds/gallon)

Shelf Life:
One year in unopened containers when stored between 50°-80° degrees Fahrenheit.

Finish Characteristics:
Normally, this product does not change the overall appearance of the substrate. After the material is applied and allowed to dry for 24 hours, it will not be readily apparent that the application has occurred, except the concrete will be fortified and strengthened.

Abrasion Resistance:
The application of this product will increase the abrasion resistance of most substrates. Results will vary according to substrate type.

Adhesion:
Because this material becomes an integral part of the surface that is treated and does not form an impermeable barrier, delaminations do not occur.

Dot Classification:
Not Regulated

Viscosity:
Less than 25 cps

Cure Schedule (70°):
Allow the material to dry for a 24 hour period of time to obtain the maximum benefits of the application. This allows the material to react with the concrete and become an integral part of the substrate.

Application Temperature:
55°-90° degrees Fahrenheit. *When properly used, this product can reduce water absorption while still maintaining greater than 50% breathability.

Primer:
None required. If applying multiple coats, a wet edge should be maintained. If the AM 7937 dries between applications, water spotting may result.

Topcoat:
None required. Multiple coats of this product are compatible (see information under primer).

Limitations:

The surface can be damp prior to application but there should be no standing water or puddles. The best application would be with a dry substrate.

Remove all overspray before drying from all glass or metal surfaces as this product can etch the surface.

Under certain conditions, a precipitate may be deposited as the lithium solution dries.

See application procedures on the reverse side for more details. Always apply a test patch to determine the suitability before using.

Physical properties listed on this technical data sheet are typical values and not specifications.

WARNING: Keep out of the reach of children and read the MSDS and warranty and limitations to liability information before using.

See reverse side for application instructions.

AM 7937 Instructions:

1) PRODUCT STORAGE: Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 50° and 80° degree F. Keep from freezing.

2) SURFACE PREPARATION: All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free application. Under certain conditions, a precipitate may be deposited as the lithium solution dries. Substrates with a high acid level will react with the lithium solution and can cause some neutralization of the material before it is absorbed into the surface leaving a white precipitate. This white precipitate is more readily noticeable on darker concrete and substrates. A test should be made to determine that none of these conditions exist. The substrate can be damp prior to application but there should be no standing water or puddles.

3) PRODUCT APPLICATION: Stir material before using. Apply material to the horizontal surface without thinning with a brush, mop or spraying equipment. When applying the material, always maintain a wet edge as this will reduce any chance of water spotting. When spraying, this product can damage vegetation, stain or etch glass, aluminum, metal and plastic. If contamination does occur, rinse it off with water immediately.

If a white precipitate should form due to high acid content, or second coating, rinsing with water and a stiff broom will usually be able to remove the spotting. Since AM 7937 densifier does not totally seal pores, water can still evaporate from the underlying surface. However, if capillary water is traveling toward the treated face, some of it will be stopped at the depth to which the AM 7937 has penetrated. At this point it will evaporate, passing through the treated area as water vapor. This normally will present no problem. However, if the capillary water source contains soluble salts, they will be deposited at this point within the substrate where this water evaporates. In essence, this reduces visible efflorescence but there is this danger: If capillary water deposits excessive amounts of soluble salts, their crystalline growth can develop sufficient pressure resulting in spalling.

Spalling may also result from substantial pressures of water freezing behind the face of the surface before evaporation can occur. These conditions both develop from outside sources of water. This product is developed to prevent the migration of water beneath the treated surface while still allowing water vapor to escape. Applications of this material will prevent positive side absorption of water and improve the capability of the substrate to resist spalling. Although the material will strengthen the substrate, outside sources of water may cause problems if the hydrostatic pressure is sufficiently great. After the product has been in contact with the substrate to allow for penetration and reaction, excess material can be removed by water or allowed to dry.

4) RE-COAT OR TOP COATING: Normally one coat is all that is required. It is best to make a second pass when desired while the substrate is still wet. Avoid overlapping wet to dry as this can cause water spotting because the product will not be able to penetrate a dry area that was treated as well as in an area that has been treated but not yet dried.

5) CLEANUP: Use any suitable mild detergent with a neutral pH to slightly alkaline pH and water.

6) FLOOR CLEANING: Caution! Although very unlikely, some cleaners may affect the color of the treated surface. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

7) RESTRICTIONS: Restrict the use of the floor to light traffic and non-harsh chemicals 24 hours has passed. Keep the floor dry for this period (excluding the application of the product and rinsing.)

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications.

NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. N0 WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may **CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.**

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Product Technical Data

AM 7939 Concrete Densifier And Waterproofer

Product Description

AM 7939 Concrete Densifier And Waterproofer is a one component water based siliconate and lithium based solution designed to densify and add waterproofing characteristics to cement and concrete substrates. The densifier reacts with the cementitious ingredients to densify and add water repellency while allowing deep penetration to chemically harden and fortify the substrate. After the chemical reaction occurs, the substrate will be more abrasion resistant and help protect the surface from wear, moisture and efflorescence while remaining breathable.

Benefits of Use

- **Concrete sidewalks, drives or floors**
- **Increases durability by improving resistance to freeze thaw effects**
- **and improves abrasion resistance and durability**
- **Improves weathering, densifies and reduces efflorescence of natural stone, precast stone and cement**
- **Protects and fortifies concrete as it seals against moisture damage**
- **Application will reduce dusting and increase concrete life**
- **Reduces water absorption into the substrate**

Volatile Organic Content:
Water based material with No VOC's

Color:
Clear to very opaque color

Recommended Film Thickness:
Apply until surface is saturated without puddles. Can be applied by any suitable method such as spraying or mopping etc.

Coverage Per Gallon:
When the surface is fully saturated, coverage will depend on the absorptivity of the substrate resulting in 100 to 400 square feet per gallon coverage.

Packaging Information:
This product is available in 5 gallon and 50 gallon containers. (Approximately 8.5 pounds/gallon)

Shelf Life:
One year in unopened containers when stored between 50°-80° degrees Fahrenheit.

Finish Characteristics:
Normally, this product does not change the overall appearance of the substrate. After the material is applied and allowed to dry for 24 hours, it will not be readily apparent that the application has occurred, except the concrete will be fortified and strengthened.

Abrasion Resistance:
The application of this product will increase the abrasion resistance of most substrates. Results will vary according to substrate type.

Adhesion:
Because this material becomes an integral part of the surface that is treated and does not form an impermeable barrier, delaminations do not occur.

Dot Classification:
Not Regulated

Viscosity:
Less than 25 cps

Cure Schedule (70°):
Allow the material to dry for a 24 hour period of time to obtain the maximum benefits of the application. This allows the material to react with the concrete and become an integral part of the substrate.

Application Temperature:
55°-90° degrees Fahrenheit. *When properly used, this product can reduce water absorption while still maintaining greater than 50% breathability.

Primer:
None required. If applying multiple coats, a wet edge should be maintained. If the AM 7939 dries between applications, water spotting may result.

Topcoat:
None required. Multiple coats of this product are compatible (see information under primer).

Limitations:

The surface can be damp prior to application but there should be no standing water or puddles. The best application would be with a dry substrate.

Remove all overspray before drying from all glass or metal surfaces as this product can etch the surface.

Under certain conditions, a precipitate may be deposited as the lithium solution dries.

See application procedures on the reverse side for more details. Always apply a test patch to determine the suitability before using.

Physical properties listed on this technical data sheet are typical values and not specifications.

WARNING: Keep out of the reach of children and read the MSDS and warranty and limitations to liability information before using.

See reverse side for application instructions.

AM 7939 Instructions:

1) PRODUCT STORAGE: Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 50° and 80° degree F. Keep from freezing.

2) SURFACE PREPARATION: All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free application. Under certain conditions, a precipitate may be deposited as the lithium solution dries. Substrates with a high acid level will react with the lithium solution and can cause some neutralization of the material before it is absorbed into the surface leaving a white precipitate. This white precipitate is more readily noticeable on darker concrete and substrates. A test should be made to determine that none of these conditions exist. The substrate can be damp prior to application but there should be no standing water or puddles.

3) PRODUCT APPLICATION: Stir material before using. Apply material to the horizontal surface without thinning with a brush, mop or spraying equipment. When applying the material, always maintain a wet edge as this will reduce any chance of water spotting. When spraying, this product can damage vegetation, stain or etch glass, aluminum, metal and plastic. If contamination does occur, rinse it off with water immediately.

If a white precipitate should form due to high acid content, or second coating, rinsing with water and a stiff broom will usually be able to remove the spotting. Since AM 7939 densifier does not totally seal pores, water can still evaporate from the underlying surface. However, if capillary water is traveling toward the treated face, some of it will be stopped at the depth to which the AM 7939 has penetrated. At this point it will evaporate, passing through the treated area as water vapor. This normally will present no problem. However, if the capillary water source contains soluble salts, they will be deposited at this point within the substrate where this water evaporates. In essence, this reduces visible efflorescence but there is this danger: If capillary water deposits excessive amounts of soluble salts, their crystalline growth can develop sufficient pressure resulting in spalling.

Spalling may also result from substantial pressures of water freezing behind the face of the surface before evaporation can occur. These conditions both develop from outside sources of water. This product is developed to prevent the migration of water beneath the treated surface while still allowing water vapor to escape. Applications of this material will prevent positive side absorption of water and improve the capability of the substrate to resist spalling. Although the material will strengthen the substrate, outside sources of water may cause problems if the hydrostatic pressure is sufficiently great. After the product has been in contact with the substrate to allow for penetration and reaction, excess material can be removed by water or allowed to dry.

4) RE-COAT OR TOP COATING: Normally one coat is all that is required. It is best to make a second pass when desired while the substrate is still wet. Avoid overlapping wet to dry as this can cause water spotting because the product will not be able to penetrate a dry area that was treated as well as in an area that has been treated but not yet dried.

5) CLEANUP: Use any suitable mild detergent with a neutral pH to slightly alkaline pH and water.

6) FLOOR CLEANING: Caution! Although very unlikely, some cleaners may affect the color of the treated surface. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

7) RESTRICTIONS: Restrict the use of the floor to light traffic and non-harsh chemicals 24 hours has passed. Keep the floor dry for this period (excluding the application of the product and rinsing.)

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NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. N0 WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may **CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.**

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Product Technical Data

AM 7940 Concrete Conditioner with Stain Guard

Product Description

AM 7940 Concrete Conditioner with Stain Guard is a one component water based ultra small particle size self-cross linking hydrophobic organic polymer and silane/siloxane. AM 7940 Concrete Conditioner is designed specifically for use in the grind and polish of concrete/cement as a surface conditioner and stain guard to be applied before the final polishing step to increase long term performance, gloss and stain resistance.

Benefits of Use

- **Increases durability and stain resistance and abrasion resistance**
- **Improves weathering, densifies and reduces efflorescence**
- **Protects and fortifies concrete as it seals against moisture damage**
- **Application will reduce dusting and increase concrete life**
- **Reduces water absorption into the substrate**

Volatile Organic Content:
50 grams per liter

Color:
Opaque milky white color

Coverage Per Gallon:
Typical coverage is 800 to 1200 square feet per gallon.

Packaging Information:
This product is available in 5 gallon pails and 50 gallon containers. (approximately 8.5 pounds/gallon)

Shelf Life:
One year in unopened containers when stored between 50°-80° degrees Fahrenheit.

Finish Characteristics:
The product may slightly darken the surface. The overall finish characteristics are determined by the polishing diamond grit size and concrete composition.

Abrasion Resistance:
The application of this product will increase the abrasion resistance of most substrates. Results will vary according to substrate type.

Adhesion:
Because this material is applied prior to the final grind polishing step and is developed to deeply penetrate into the pores of the concrete, it does not remain as a coating after the final polishing step so delaminations do not occur.

Dot Classification:
Not Regulated

Viscosity:
Less than 25 cps

Cure Schedule (70°):
Allow the material to completely dry to obtain the maximum benefits of the application. The final polishing stage can be performed usually within 1-3 hours under normal conditions.

Application Temperature:
55°-90° degrees Fahrenheit.

Concrete Densifying Primer:
Normally, a concrete densifier is used in the early grind and polish stages to increase the density and harden the concrete. We recommend the use of the AM 7936. The AM 7936 was designed to densify the concrete while allowing subsequent products such as the AM 7940 to thoroughly penetrate the surface.

Topcoat:
None required. Multiple coats of this product are compatible.

Test Area:
Concrete substrates vary from geographical regions throughout the country and the actual condition of the concrete can provide varying results. Results can also vary from floor machine weights, RPM speed and the sequence of polishing stages and diamond grit sizes, therefore, test a minimum 4 ft. by 4 ft. area on each type of concrete to determine suitability before undertaking the entire project.

Limitations:

The surface should be dry prior to the application of this product.

This product is intended for interior use only.

Always apply a test patch to determine the suitability before using.

Allow to completely dry before polishing.

Product may slightly darken the substrate.

Stain resistance and water repellency may not fully develop for 2-4 days.

Remove spills as soon as possible to limit staining possibilities.

Physical properties listed on this technical data sheet are typical values and not specifications.

WARNING: Keep out of the reach of children and read the MSDS and warranty and limitations to liability information before using.

See reverse side for application instructions.

AM 7940 Instructions:

1) PRODUCT STORAGE: Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 50 and 80 degree Fahrenheit. Keep from freezing.

2) SURFACE PREPARATION: All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free application. Repair any damaged surfaces with a suitable product.

3) PRODUCT APPLICATION: Stir material before using. This product is intended to be used prior to the final polishing step when diamond grind/polishing concrete substrates. Normally, a densifier (silicates) is used in the early stages of the grind and polish sequence and prior to using this product. An example of a polishing sequence would be: 80 grit grind, silicate densifier, 150 grit grind, 300 grit grind, 800 grit grind, apply AM 7940, 1500 grit grind. The overall process is dependent on equipment used, the equipment RPM and weight as well as the desired gloss after the final polishing step. For increased shine, even finer and finer grit sizes can be employed. Always apply a test area to determine the gloss and finish characteristics prior to commencing the entire job.

The AM 7940 can be applied by a typical garden sprayer to wet the surface without any puddles followed by a lint free finish mop to assure a thin and even coat. When using the lint free finish mop, because the product dries fairly quickly, make sure that the finish mop is used prior to the coating tacking off or becoming partially dry. Do not allow overspray to contact equipment or other surfaces. Typical application coverage ranges from 800 to 1200 square feet per gallon. When applied correctly, no excess material should remain on the surface and the surface will look damp without free liquids. After the material is applied, allow the material to completely dry before completing the final polishing step. Keep floor completely dry for at least 24 hours after the final polishing step is performed. Product is intended for indoor applications on concrete with a functional vapor barrier.

4) RE-COAT OR TOP COATING: Normally one coat before the final polishing step is all that is required.

5) CLEANUP: Use any suitable mild detergent with a neutral pH to slightly alkaline pH and water.

6) FLOOR CLEANING: Caution! Although very unlikely, some cleaners may affect the color of the treated surface. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

7) RESTRICTIONS: Restrict the use of the floor to light traffic and non-harsh chemicals 24 hours has passed. Keep the floor dry for this period.

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Product Technical Data

AM 105 Economical Formulation Epoxy Mortar Patch Kit/Resurfacer

Product Description

AM 105 Epoxy Mortar Patch Kit/Resurfacer (Economical Formulation) is a three component 100% solids epoxy mortar designed for applications where excellent wear characteristics are required.

Recommended For

- Walkways
- Loading Docks
- Seamless Floors
- General Patching

Not Recommended For

- Immersion applications for acids and chemicals

Solids By Weight:
100%

Volatile Organic Content:
Zero pounds per gallon

Standard Colors:
Light Gray, Red, Dark Gray and Natural

Recommended Thickness:
1/8" to 1/4"

Coverage Per Unit:
19.15 sq. ft. @ 1/4" and 38.3 sq. ft. @ 1/8"

Packaging:	Cubic Feet:
1/4 Unit	.10 (Approximately)
Unit	.40 (Approximately)
Bulk	2.0 (Approximately)

*UNIT = 4.7# part A, 2.3# part B, 50# aggregate. A bulk is approximately five units (all weights approximate)

Mix Ratio:
*UNIT = .49 -.51 gallons part A to .29 gallons part B plus 50# aggregate. (weight and volumes approximate)

Shelf Life:
2 years in unopened containers

Flexural Strength:
11,500 psi @ ASTM D790

Compressive Strength:
8,400 psi @ ASTM D695

Tensile Strength:
6,700 psi @ ASTM D638

Ultimate Elongation:
4.75%

Impact Resistance:
Excellent

Abrasion Resistance:
Excellent

Heat Deflection Temperature:
131.7 degrees Fahrenheit @ ASTM D648

Weathering:
Good (Chalks)

Dot Classification:
Part A & C "not regulated"
Part B "CORROSIVE LIQUID N.O.S., 8, UN1760, PGIII"

Viscosity:
Part A = 500-800 cps, Part B = 250-500 cps

CURE SCHEDULE:

Pot Life . . . . . 20-30 minutes @ 70°F (.40 cu. ft. mix)

Re-Coat . . . . . 6-7 hours @ 70°F (or topcoat)

Light Foot Traffic . . . . 12-14 hours @ 70°F

Full Cure . . . . . 2-7 days @ 70°F (Heavy Traffic)

Application Temperature:
55°-90° degrees Fahrenheit.

Primer:
USE THE MIXED LIQUIDS PRIOR TO ADDING AGGREGATE

Topcoat:
None required. For increased performance and reduced porosity, topcoat with AM 94 or AM 95

Chemical Resistance:

REAGENT	RATING
Xylen	A
1, 1, 1 Trichloroethane	A
Mek	A
Methanol	A
Ethyl Alcohol	A
Skydrol	A
10% Sodium Hydroxide	C
50% Sodium Hydroxide	C
10% Sulfuric Acid	B
70% Sulfuric Acid	A
10% Hc1 (aq)	B
5% Acetic Acid	B

Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion.

NOTE: Extensive chemical resistance information is available through your sales representative.

Limitations:
Color stability may be affected by environmental conditions such as high humidity or chemical exposure. Product is not UV color stable and certain lighting such as sodium vapor lights may cause color changes. Colors may vary from batch to batch due to variations in the silica filler. Mortar colors are not from our standard color chart. Substrate temperature must be 50 F above dew point. For chemical exposure areas, we recommend a suitable topcoat to reduce porosity and chemical migration. All new concrete must be cured for at least 30 days prior to application. Test data based on neat resin. Physical properties are typical values and not specifications.

WARNING: Keep out of the reach of children and read the MSDS and warranty and limitations to liability information before using.

See reverse side for application instructions.

AM 105 Mixing And Application Instructions:

1) PRODUCT STORAGE: Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be above 55°F to prevent product crystallization.

2) SURFACE PREPARATION: All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. We recommend that an aggressive shot blast be performed prior to the application of this product. A less adequate method would be acid etching, but the etch should properly profile the substrate. All edges and around columns or beams should be mechanically scarified.

All termination points should not be feather edged, but should be saw cut with the termination ending at the saw-cut. All large cracks should be V cut and filled with appropriate crack filler. All expansion joints should be filled with appropriate joint filler. When overlaying an expansion joint, a single saw cut through the epoxy overlay will prevent random fracturing.

A test should be made to determine that the concrete is dry; this can be done by placing a 4'x4' plastic sheet on the substrate and taping down the edges; if after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start coating. The plastic sheet testing is also a good method to determine if any hydrostatic pressure problems exist that may later cause dis-bonding.

3) PRIMER: No primer is necessary. This material is self priming. However, any suitable primer can be used.

4) PRODUCT MIXING: It is important that the liquids be mixed together first. Mix the liquids in an oversized container thoroughly and until streak free. After the liquids are thoroughly mixed, add in the aggregate. Mix in the aggregate with slow speed mixing equipment such as a jiffy mixer or rotating bucket/stationary mixing blade assembly. It is equally important that enough time is spent mixing in the aggregate to insure that the aggregate is thoroughly wetted out. No induction time is necessary. Improper mixing may result in product failure.

5) PRODUCT APPLICATION: Apply the mixed material at 1/8 to 1/4 inch thickness. Apply the material with a hand trowel or other suitable application equipment. Maintain temperatures within the recommended ranges during the application and curing process. Do not over-trowel the mortar as this can cause blistering. Air currents directly across or above the mortar may also cause blistering.

6) RECOAT OR TOPCOATING: No re-coating or topcoating is necessary. However, if you opt to topcoat the applied mortar, allow it to cure before topcoating. Many epoxies and urethanes can be used. Contact your sales representative for suitable topcoat selections.

7) CLEANUP: Use xylol

8) FLOOR CLEANING: Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

9) RESTRICTIONS: Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle.

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Product Technical Data

AM 110 Regular Formulation Epoxy Mortar Patch Kit/Resurfacer

Product Description

AM 110 Epoxy Mortar Patch Kit/Resurfacer (Regular Formulation) is a three component 100% solids epoxy mortar designed for applications where excellent wear characteristics and strength are required.

Recommended For

- Heavy Traffic Areas
- Forklift Traffic
- Steel Wheel Equipment Production Areas

Not Recommended For

- Immersion applications for acids and chemicals

Solids By Weight:
100%

Volatile Organic Content:
Nearly zero pounds per gallon

Standard Colors:
Light Gray, Red, Dark Gray and Natural

Recommended Thickness:
1/8" to 1/4"

Coverage Per Unit:
21.54 sq. ft. @ 1/4" and 43.1 sq. ft. @ 1/8"

Packaging:	Cubic Feet:
1/4 Unit	.11 (Approximately)
Unit	.45 (Approximately)
Bulk	2.25 (Approximately)

*UNIT = 9# part A, 2.2# part B, 50# aggregate. A bulk is approximately five units (all weights approximate)

Mix Ratio:
*UNIT = .96 -.98 gallons part A to .26 gallons part B plus 50# aggregate. (weight and volumes approximate)

Shelf Life:
2 years in unopened containers

Flexural Strength:
15,150 psi @ ASTM D790

Compressive Strength:
11,150 psi @ ASTM D695

Tensile Strength:
6,800 psi @ ASTM D638

Ultimate Elongation:
4.65%

Impact Resistance:
Excellent

Abrasion Resistance:
Excellent

Heat Deflection Temperature:
70.5 degrees C @ ASTM D648

Weathering:
Good (Chalks)

Dot Classification:
Part A & C "not regulated"
Part B "CORROSIVE LIQUID N.O.S., 8, UN1760, PGIII"

Viscosity:
Part A = 450-750 cps, Part B = 290-500 cps

CURE SCHEDULE:

Pot Life . . . . . 30-40 minutes @ 70°F (.45 cu. ft. mix)

Re-Coat . . . . . 7-8 hours @ 70°F (or topcoat)

Light Foot Traffic . . . . 14-16 hours @ 70°F

Full Cure . . . . . 2-7 days @ 70°F (Heavy Traffic)

Application Temperature:
55°-90° degrees Fahrenheit.

Primer:
USE THE MIXED LIQUIDS PRIOR TO ADDING AGGREGATE

Topcoat:
None required. For increased performance and reduced porosity, topcoat with AM 94 or AM 95

Chemical Resistance:

REAGENT	RATING
Xylen	B
1, 1, 1 Trichloroethane	C
Methanol	B
Ethyl Alcohol	B
Skydrol	B
10% Sodium Hydroxide	C
50% Sodium Hydroxide	C
10% Sulfuric Acid	B
10% Hc1 (aq)	C
5% Acetic Acid	B

Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion.

NOTE: Extensive chemical resistance information is available through your sales representative.

Limitations:
Color stability may be affected by environmental conditions such as high humidity or chemical exposure. Epoxy products are not UV color stable and may discolor if exposed to certain types of light such as sodium vapor lighting. Colors may vary from batch to batch due to variations in the silica filler. Mortar colors are not from our standard color chart. Substrate temperature must be 50 F above dew point. For chemical exposure areas, we recommend a suitable topcoat to reduce porosity and chemical migration. All new concrete must be cured for at least 30 days prior to application. See reverse side for application instructions. Test data based on neat resin. Physical properties are typical values and not specifications. See reverse side for limitations of our liability and warranty.

WARNING: Keep out of the reach of children and read the MSDS and warranty and limitations to liability information before using.

See reverse side for application instructions.

AM 110 Mixing And Application Instructions:

1) PRODUCT STORAGE: Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be above 55°F to prevent product crystallization.

2) SURFACE PREPARATION: All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. We recommend that an aggressive shot blast be performed prior to the application of this product. A less adequate method would be acid etching, but the etch should properly profile the substrate. All edges and around columns or beams should be mechanically scarified.

All termination points should not be feather edged, but should be saw cut with the termination ending at the saw-cut. All large cracks should be V cut and filled with an appropriate crack filler. All expansion joints should be filled with an appropriate joint filler. When overlaying an expansion joint, a single saw cut through the epoxy overlay will prevent random fracturing.

A test should be made to determine that the concrete is dry; this can be done by placing a 4'x4' plastic sheet on the substrate and taping down the edges; if after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start coating. The plastic sheet testing is also a good method to determine if any hydrostatic pressure problems exist that may later cause dis-bonding.

3) PRIMER: No primer is necessary. This material is self priming. However, any suitable primer can be used.

4) PRODUCT MIXING: It is important that the liquids be mixed together first. Mix the liquids in an oversized container thoroughly and until streak free. After the liquids are thoroughly mixed, add in the aggregate. Mix in the aggregate with slow speed mixing equipment such as a jiffy mixer or rotating bucket/stationary mixing blade assembly. It is equally important that enough time is spent mixing in the aggregate to insure that the aggregate is thoroughly wetted out. No induction time is necessary. Improper mixing may result in product failure.

5) PRODUCT APPLICATION: Apply the mixed material at 1/8 to 1/4 inch thickness. Apply the material with a hand trowel or other suitable application equipment. Do not over-trowel the material as this may cause isolated blisters to form. Air currents directly across or above the mortar during the curing process may cause isolated blisters to form. Maintain temperatures within the recommended ranges during the application and curing process.

6) RECOAT OR TOPCOATING: No re-coating or topcoating is necessary. However, if you opt to topcoat the applied mortar, allow it to cure before topcoating. Many epoxies and urethanes can be used. Contact your sales representative for suitable topcoat selections.

7) CLEANUP: Use xylol

8) FLOOR CLEANING: Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

9) RESTRICTIONS: Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle.

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications.

NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. N0 WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may **CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.**

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Product Technical Data

AM 120 Acid Resistant Epoxy Mortar Patch Kit/Resurfacer

Product Description

AM 120 Epoxy Mortar Patch Kit/Resurfacer (Acid Resistant) is a three component 100% solids epoxy mortar designed for applications where splash and spills of dilute acids and chemicals occur.

Recommended For

- Heavy Traffic Areas
- Chemical Troughs
- Curbs
- Tanks
- Chemical Spill Areas

Not Recommended For

- Immersion applications for all acids and chemicals

Solids By Weight:
100%

Volatile Organic Content:
Zero pounds per gallon

Standard Colors:
Light Gray, Red, Dark Gray and Natural

Recommended Thickness:
1/8" to 1/4"

Coverage Per Unit:
18.7 sq. ft. @ 1/4" and 37.4 sq. ft. @ 1/8"

Packaging:	Cubic Feet:
1/4 Unit	.095 (Approximately)
Unit	.39 (Approximately)
Bulk	1.85 (Approximately)

*UNIT= 6.80# part A, 2.65# part B, 44# aggregate. BULK= 34.0# part A, 13.25# part B, 200# aggregate (all weights approximate)

Mix Ratio:
*UNIT= 0.73 gallons part A to 0.31 gallons part B plus 44# aggregate (weight and volumes approximate)

Shelf Life:
2 years in unopened containers

Flexural Strength:
12,100 psi @ ASTM D790

Compressive Strength:
10,375 psi @ ASTM D695

Tensile Strength:
7,875 psi @ ASTM D638

Ultimate Elongation:
6.59%

Impact Resistance:
Excellent

Abrasion Resistance:
Excellent

Heat Deflection Temperature:
144.5 degrees F @ ASTM D648

Weathering:
Good (Chalks)

Dot Classification:
Part A&C "not regulated"
Part B "CORROSIVE LIQUID N.O.S., 8, UN1760,PGIII"

Viscosity:
Part A= 950-1,250 cps, Part B= 200-275 cps

CURE SCHEDULE:

Pot Life . . . . . 30-40 minutes @ 70°F (.45 cu. ft. mix)

Re-Coat . . . . . 6-7 hours @ 70°F (or topcoat)

Light Foot Traffic . . . . 12-14 hours @ 70°F

Full Cure . . . . . 2-7 days @ 70°F (Heavy Traffic)

Application Temperature:
55°-90° degrees Fahrenheit.

Primer:
USE THE MIXED LIQUIDS PRIOR TO ADDING AGGREGATE

Topcoat:
None required. For increased performance and reduced porosity, topcoat with AM 94 or AM 95

Chemical Resistance:

REAGENT	RATING
Xylen	C
1, 1, 1 Trichloroethane	C
MEK	A
Methanol	A
Ethyl Alcohol	B
Skydrol	B
10% Sodium Hydroxide	D
50% Sodium Hydroxide	D
10% Sulfuric Acid	C
70% Sulfuric Acid	A
10% HC1 (aq)	C
5% Acetic Acid	B

Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion.

NOTE: Extensive chemical resistance information is available through your sales representative.

Limitations:
Color stability may be affected by environmental conditions such as high humidity or chemical exposure. Product is not UV color stable and may discolor if exposed to lighting such as sodium vapor lights. Colors may vary from batch to batch due to variations in the silica filler. Mortar colors are not from our standard color chart. Substrate temperature must be 5°F above dew point. For chemical exposure areas, we recommend a suitable topcoat to reduce porosity and chemical migration. All new concrete must be cured for at least 30 days prior to application. See reverse side for application instructions. Test data based on neat resin. Physical properties are typical values and not specifications. See reverse side for limitations of our liability and warranty.

WARNING: Keep out of the reach of children and read the MSDS and warranty and limitations to liability information before using.

See reverse side for application instructions.

AM 120 Mixing And Application Instructions:

1) PRODUCT STORAGE: Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be above 55°F to prevent product crystallization.

2) SURFACE PREPARATION: All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. We recommend that an aggressive shot blast be performed prior to the application of this product. A less adequate method would be acid etching, but the etch should properly profile the substrate. All edges and around columns or beams should be mechanically scarified.

All termination points should not be feather edged, but should be saw cut with the termination ending at the saw cut. All large cracks should be V cut and filled with an appropriate crack filler. All expansion joints should be filled with an appropriate joint filler. When overlaying an expansion joint, a single saw cut through the epoxy overlay will prevent random fracturing.

A test should be made to determine that the concrete is dry; this can be done by placing a 4'X4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start coating. The plastic sheet testing is also a good method to determine if any hydrostatic pressure problems exist that may later cause dis-bonding.

3) PRIMER: No primer is necessary. This material is self priming. However, any suitable primer can be used.

4) PRODUCT MIXING: It is important that the liquids be mixed together first. Mix the liquids in an oversized container thoroughly and until streak free. After the liquids are thoroughly mixed, add in the aggregate. Mix in the aggregate with slow speed mixing equipment such as a jiffy mixer or rotating bucket/stationary mixing blade assembly. It is equally important that enough time is spent mixing in the aggregate to insure that the aggregate is thoroughly wetted out. No induction time is necessary. Improper mixing may result in product failure.

5) PRODUCT APPLICATION: Apply the mixed material at 1/8 to 1/4 inch thickness. Apply the material with a hand trowel or other suitable application equipment. Do not over-trowel the material as this may cause isolated blisters to form. Maintain temperatures within the recommended ranges during the application and curing process.

6) RECOAT OR TOPCOATING: No re-coating or topcoating is necessary. However, if you opt to topcoat the applied mortar, allow it to cure before topcoating. Many epoxies and urethanes can be used. Contact your sales representatives for suitable topcoat selections.

7) CLEANUP: Use xylol

8) FLOOR CLEANING: Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

9) RESTRICTIONS: Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle.

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

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NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. N0 WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may **CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.**

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Product Technical Data

AM 123 Food Processors Epoxy Mortar Patch Kit/Resurfacer

Product Description

AM 123 Epoxy Mortar Patch Kit/Resurfacer (Food Processors) is a three component 100% solids epoxy mortar designed for applications where floors are subjected to repeated exposure to hot water cleanings.

Recommended For

- Heavy traffic areas where cold floors are repeatedly washed with hot water – such as food processing plants

Not Recommended For

- Immersion applications for all acids and chemicals

Solids By Weight:
100%

Volatile Organic Content:
Zero pounds per gallon

Standard Colors:
Light Gray, Red, Dark Gray and Natural

Recommended Thickness:
1/8" to 1/4"

Coverage Per Unit:
21.54 sq. ft. @ 1/4" and 43.08 sq. ft. @ 1/8"

Packaging:	Cubic Feet:
1/4 Unit	.11 (Approximately)
Unit	.45 (Approximately)
Bulk	2.25 (Approximately)

*UNIT= 8.0# part A, 2.5# part B, 50# aggregate. A bulk is approximately 5 units (all weights approximate)

Mix Ratio:
*UNIT= .84-.86 gallons part A to .28 gallons part B plus 50# aggregate. (weights and volumes approximate)

Shelf Life:
2 years in unopened containers

Flexural Strength:
12,244 psi @ ASTM D790

Compressive Strength:
10,489 psi @ ASTM D695

Tensile Strength:
8,157 psi @ ASTM D638

Ultimate Elongation:
5.06%

Impact Resistance:
Excellent

Abrasion Resistance:
Excellent

Heat Deflection Temperature:
156 degrees F @ ASTM D648

Weathering:
Good (Chalks)

Dot Classification:
Part A&C "not regulated"
Part B "CORROSIVE LIQUID N.O.S., 8, UN1760,PGIII"

Viscosity:
Part A= 950-1,2500 cps, Part B= 700-900 cps

CURE SCHEDULE:

Pot Life . . . . . 20-30 minutes @ 70°F (.45 cu. ft. mix)

Re-Coat . . . . . 4-5 hours @ 70°F (or topcoat)

Light Foot Traffic . . . . 10-12 hours @ 70°F

Full Cure . . . . . 2-7 days @ 70°F (Heavy Traffic)

Application Temperature:
55°-90° degrees Fahrenheit.

Primer:
USE THE MIXED LIQUIDS PRIOR TO ADDING AGGREGATE

Topcoat:
None required. For increased performance and reduced porosity, topcoat with AM 94 or AM 95

Chemical Resistance:

REAGENT	RATING
Xylen	C
1, 1, 1 Trichloroethane	C
MEK	A
Methanol	A
Ethyl Alcohol	B
Skydrol	B
10% Sodium Hydroxide	C
50% Sodium Hydroxide	C
10% Sulfuric Acid	B
70% Sulfuric Acid	A
10% HC1 (aq)	C
5% Acetic Acid	B

Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion.

NOTE: Extensive chemical resistance information is available through your sales representative.

Limitations:
Color stability may be affected by environmental conditions such as high humidity or chemical exposure. Product is not UV color stable and may discolor if exposed to lighting such as sodium vapor lights. Colors may vary from batch to batch due to variations in the silica filler. Mortar colors are not from our standard color chart. Substrate temperatures must be 5°F above dew point. For chemical exposure areas, we recommend a suitable topcoat to reduce porosity and chemical migration. All new concrete must be cured for at least 30 days prior to application. See reverse side for application instructions. Test data based on neat resin. Physical properties are typical values and not specifications. See reverse side for limitations of our liability and warranty.

WARNING: Keep out of the reach of children and read the MSDS and warranty and limitations to liability information before using.

See reverse side for application instructions.

AM 123 Mixing And Application Instructions:

1) PRODUCT STORAGE: Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be above 55°F to prevent product crystallization.

2) SURFACE PREPARATION: All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. We recommend that an aggressive shot blast be performed prior to the application of this product. A less adequate method would be acid etching, but the etch should properly profile the substrate.

All edges and around columns or beams should be mechanically scarified. All termination points should not be feather edged, but should be saw cut with the termination ending at the saw cut. All large cracks should be V cut and filled with appropriate crack filler. All expansion joints should be filled with appropriate joint filler. When overlaying an expansion joint, a single saw cut through the epoxy overlay will prevent random fracturing.

A test should be made to determine that the concrete is dry; this can be done by placing a 4'X4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start coating. The plastic sheet testing is also a good method to determine if any hydrostatic pressure problems exist that may later cause dis-bonding.

3) PRIMER: No primer is necessary. This material is self priming. However, any suitable primer can be used.

4) PRODUCT MIXING: It is important that the liquids be mixed together first. Mix the liquids in an oversized container thoroughly and until streak free. After the liquids are thoroughly mixed, add in the aggregate. Mix in the aggregate with slow speed mixing equipment such as a jiffy mixer or rotating bucket/stationary mixing blade assembly. It is equally important that enough time is spent mixing in the aggregate to insure that the aggregate is thoroughly wetted out. No induction time is necessary. Improper mixing may result in product failure.

5) PRODUCT APPLICATION: Apply the mixed material at 1/8 to 1/4 inch thickness. Apply the material with a hand trowel or other suitable application equipment. Do not over-trowel the material as this may cause isolated blisters to form. Direct air currents across or above the mortar during the curing process may result in isolated blisters to form. Maintain temperatures within the recommended ranges during the application and curing process.

6) RECOAT OR TOPCOATING: No recoating or topcoating is necessary. However, if you opt to topcoat the applied mortar, allow it to cure before topcoating. Many epoxies and urethanes can be used. Contact your sales representatives for suitable topcoat selections.

7) CLEANUP: Use xylol

8) FLOOR CLEANING: Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

9) RESTRICTIONS: Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle.

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

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NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may **CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.**

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Product Technical Data

AM 124 Freezer Formulation Epoxy Mortar Patch Kit/Resurfacer

Product Description

AM 124 Epoxy Mortar Patch Kit/Resurfacer (Freezer Formulation) is a three component 100% solids epoxy mortar designed for applications where temperatures are below freezing or a rapid patch is necessary.

Recommended For

- Cold storage areas, freezers, walkways and support bases for tanks and seamless floors

Not Recommended For

- Immersion applications for active solvents

Solids By Weight:
100%

Volatile Organic Content:
Zero pounds per gallon

Standard Colors:
Light Gray, Red, Dark Gray and Natural

Recommended Thickness:
1/8" to 1/4"

Coverage Per Unit:
20.58 sq. ft. @ 1/4" and 41.17 sq. ft. @ 1/8"

Packaging:	**Cubic Feet:**
1/4 Unit	.11 (Approximately)
Unit	.43 (Approximately)

*UNIT= 6.25# part A, 37 ounces by weight for part B, 50# aggregate. (Bulks are not available because of the short pot life, all weights are approximate)

Mix Ratio:
*UNIT= .67-.68 gallons part A to .25 gallons part B plus 50# aggregate. (weight and volumes approximate)

Shelf Life:
2 years in unopened containers

Flexural Strength:
10,350 psi @ ASTM D790

Compressive Strength:
7,560 psi @ ASTM D695

Tensile Strength:
6,030 psi @ ASTM D638

Ultimate Elongation:
7.30%

Impact Resistance:
Excellent

Abrasion Resistance:
Excellent

Heat Deflection Temperature:
113 degrees F @ ASTM D648

Weathering:
Good (Chalks)

Dot Classification:
Part A&C "not regulated"
Part B "CORROSIVE LIQUID N.O.S., 8, UN1760,PGIII"

Viscosity:
Part A= 250-320 cps, Part B= 2,500-3,500 cps

CURE SCHEDULE:

Pot Life . . . . . 10-15 minutes @ 70°F (.45 cu. ft. mix)

Re-Coat . . . . . 3-4 hours @ 70°F (or topcoat)

Light Foot Traffic . . . . 6-8 hours @ 70°F

Full Cure . . . . . 2-7 days @ 70°F (Heavy Traffic)

***Foot Traffic** . . . . . 24 Hours @ 30°F (Serviceable)

Application Temperature:
30°-80° degrees Fahrenheit.

Primer:
USE THE MIXED LIQUIDS PRIOR TO ADDING AGGREGATE

Topcoat:
None required. For increased performance and reduced porosity, topcoat with AM 94 or AM 95 (temperature permitting)

Chemical Resistance:

REAGENT	RATING
Xylen	C
1, 1, 1 Trichloroethane	C
MEK	A
Methanol	A
Ethyl Alcohol	C
Skydrol	B
10% Sodium Hydroxide	D
50% Sodium Hydroxide	C
10% Sulfuric Acid	C
70% Sulfuric Acid	A
10% HC1 (aq)	C
5% Acetic Acid	B

Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion.
NOTE: Extensive chemical resistance information is available through your sales representative.

Limitations:
Color stability may be affected by environmental conditions (high humidity or chemical exposure). This product is not UV color stable and may discolor if exposed to lighting such as sodium vapor lights. Colors may vary from batch to batch due to variations in the silica filler. Mortar colors are not from our standard color chart. Substrate temperature must be 5°F above dew point. All new concrete must be cured for at least 30 days prior to application. See reverse side for application instructions. Test data based on neat resin. Physical properties are typical values and not specifications. See reverse side for limitations of our liability and warranty. This product has a short pot life, mix only an amount of material that can be used in the prescribed pot life period. When temperatures are low, extended time may be required for the material to cure before allowing industrial traffic.

WARNING: Keep out of the reach of children and read the MSDS and warranty and limitations to liability information before using.

See reverse side for application instructions.

AM 124 Mixing And Application Instructions:

1) PRODUCT STORAGE: Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be above 55°F to prevent product crystallization.

2) SURFACE PREPARATION: All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. We recommend that an aggressive shot blast be performed prior to the application of this product. A less adequate method would be acid etching, but the etch should properly profile the substrate.

All edges and around columns or beams should be mechanically scarified. All termination points should not be feather edged, but should be saw cut with the termination ending at the saw cut. All large cracks should be V cut and filled with an appropriate crack filler. All expansion joints should be filled with an appropriate joint filler. When overlaying an expansion joint, a single saw cut through the epoxy overlay will prevent random fracturing.

A test should be made to determine that the concrete is dry; this can be done by placing a 4'X4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start coating. The plastic sheet testing is also a good method to determine if any hydrostatic pressure problems exist that may later cause dis-bonding.

3) PRIMER: No primer is necessary. This material is self priming. However, any suitable primer can be used.

4) PRODUCT MIXING: It is important that the liquids be mixed together first. Mix the liquids in an oversized container thoroughly and until streak free. After the liquids are thoroughly mixed, add in the aggregate. Mix in the aggregate with slow speed mixing equipment such as a jiffy mixer or rotating bucket/stationary mixing blade assembly. It is equally important that enough time is spent mixing in the aggregate to insure that the aggregate is thoroughly wetted out. No induction time is necessary. Mix only an amount of material that can be used in the prescribed pot life period. Improper mixing may result in product failure.

5) PRODUCT APPLICATION: Apply the mixed material at 1/8 to 1/4 inch thickness. Apply the material with a hand trowel or other suitable application equipment. Do not over-trowel the material as this may cause isolated blisters to form. Direct air currents across or above the mortar during the curing process may result in isolated blisters. Maintain temperatures within the recommended ranges during the application and curing process.

6) RECOAT OR TOPCOATING: No re-coating or topcoating is necessary. However, if you opt to topcoat the applied mortar, allow it to cure before topcoating. Many epoxies and urethanes can be used (temperature permitting). Contact your sales representatives for suitable topcoat selections.

7) CLEANUP: Use xylol

8) FLOOR CLEANING: Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

9) RESTRICTIONS: Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle.

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

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NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. N0 WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may **CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.**

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Product Technical Data

AM 128 Arctic Formulation Epoxy Mortar Patch Kit

Product Description

AM 128 Epoxy Mortar Patch Kit (Arctic Formulation) is a three component 100% solids epoxy mortar designed for applications where temperatures are as low as minus 10 degrees F. (-10°F)

Recommended For

- Cold storage areas, freezers or general outdoor patching in the winter

Not Recommended For

- Immersion applications for acids and chemicals

Solids By Weight:
100%

Volatile Organic Content:
Zero pounds per gallon

Standard Colors:
Natural, Un-Pigmented Only

Recommended Thickness:
1/8" to 1/4"

Coverage Per Unit:
5.98 sq. ft. @ 1/4" and 11.96 sq. ft. @ 1/8"

Packaging: Kit

Cubic Feet: .125 (Approximately)

*KIT= 2.0# for part A, 0.90# for part B, and 13# aggregate. (Larger size kits are not available because of the short pot life, all weights are approximate)

Mix Ratio:
*UNIT= .21 gallons part A to .10 gallons part B plus 13# aggregate (weight and volumes approximate)

Shelf Life:
2 years in unopened containers

Flexural Strength:
15,000 psi @ ASTM D790

Compressive Strength:
11,000 psi @ ASTM D695

Tensile Strength:
8,900 psi @ ASTM D638

Ultimate Elongation:
3.4%

Impact Resistance:
Excellent

Abrasion Resistance:
Excellent

Heat Deflection Temperature:
56.0 degrees F @ ASTM D648

Weathering:
Good (Chalks)

Dot Classification:
Part A&C "not regulated"
Part B "CORROSIVE LIQUID N.O.S., 8, UN1760,PGIII"

Viscosity:
Part A= 900-1000 cps, Part B= 200 cps maximum

CURE SCHEDULE:

Pot Life . . . . . 2-4 minutes @ 70°F (.45 cu. ft. mix)

Re-Coat . . . . . 1-2 hours @ 70°F (or topcoat)

Light Foot Traffic . . . . 2-4 hours @ 70°F

Full Cure . . . . . 1-3 days @ 70°F (Heavy Traffic)

***Traffic Serviceable** . . 12 Hours @ 30°F

Application Temperature:
-10° to 40° degrees Fahrenheit.

Primer:
USE THE MIXED LIQUIDS PRIOR TO ADDING AGGREGATE

Topcoat:
None Required

Chemical Resistance:

REAGENT	RATING
Xylen	C
1, 1, 1 Trichloroethane	C
MEK	A
Methanol	A
Ethyl Alcohol	C
Skydrol	A
10% Sodium Hydroxide	D
50% Sodium Hydroxide	D
10% Sulfuric Acid	C
70% Sulfuric Acid	A
10% HC1 (aq)	C
5% Acetic Acid	B

Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion.

NOTE: Extensive chemical resistance information is available through your sales representative.

Limitations:
Color stability may be affected by environmental conditions such as high humidity or chemical exposure. Product is not UV color stable and may discolor if exposed to lighting such as sodium vapor lights. Colors may vary from batch to batch due to variations in the silica filler. Substrates must be dry and free of ice. All new concrete must be cured for at least 30 days prior to application. See reverse side for application instructions. Test data based on neat resin. Physical properties are typical values and not specifications. See reverse side for limitations of our liability and warranty.

*WARNING: This product has a very short pot life, mix only an amount of material that can be used in the prescribed pot life. Work must be performed in a quick and organized manner.

WARNING: Keep out of the reach of children and read the MSDS and warranty and limitations to liability information before using.

See reverse side for application instructions.

AM 124 Mixing And Application Instructions:

1) PRODUCT STORAGE: Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be above 55°F to prevent product crystallization.

2) SURFACE PREPARATION: All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. We recommend that an aggressive shot blast be performed prior to the application of this product. A less adequate method would be acid etching, but the etch should properly profile the substrate. All edges and around columns or beams should be mechanically scarified.

All termination points should not be feather edged, but should be saw cut with the termination ending at the saw cut. All large cracks should be V cut and filled with an appropriate crack filler. All expansion joints should be filled with an appropriate joint filler. When overlaying an expansion joint, a single saw cut through the epoxy overlay will prevent random fracturing.

A test should be made to determine that the concrete is dry; (when the surface temperature is above 32 degrees F) this can be done by placing a 4'X4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start coating. The plastic sheet testing is also a good method to determine if any hydrostatic pressure problems exist that may later cause dis-bonding. In any event, the surface must be dry.

3) PRIMER: No primer is necessary. This material is self priming.

4) PRODUCT MIXING: It is important that the liquids be mixed together first. Have the liquids at normal room (70 degrees) temperature and then take them into the area where the repair is to be made.

CAUTION! This material has a very, very short pot life; be prepared to work efficiently and in an organized manner. Mix the liquids in an oversized container quickly and thoroughly until streak free. After the liquids are mixed, add in the aggregate immediately. Mix in the aggregate with slow speed mixing equipment such as a jiffy mixer (quickly). No induction time is necessary. Mix only an amount of material that can be used in the prescribed pot life period.

5) PRODUCT APPLICATION: Immediately after mixing, apply the mixed material at 1/8 to 1/4 inch thickness. Apply the material with a hand trowel or other suitable application equipment. Do not over-trowel the material as this may cause isolated blisters to form. Direct air currents above or across the mortar during the curing process may cause isolated blisters. Maintain temperatures within the recommended ranges during the application and curing process.

6) RECOAT OR TOPCOATING: No re-coating or topcoating is necessary. However, if you opt to topcoat the applied mortar, allow it to cure before topcoating. Many epoxies and urethanes can be used at elevated temperatures.

7) CLEANUP: Use xylol

8) FLOOR CLEANING: Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

9) RESTRICTIONS: Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle.

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications.

NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may **CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.**

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Product Technical Data

AM 130 Tar Epoxy Mortar Patch Kit/Resurfacer

Product Description

AM 130 Tar Epoxy Mortar Patch Kit/Resurfacer is a three component 100% solids epoxy mortar designed for applications of petroleum contaminated concrete or for patching asphalt.

Recommended For

- Traffic area resurfacing and patching of asphalt or petroleum contaminated concrete and cement

Not Recommended For

- Immersion applications for acids and chemicals

Solids By Weight:
100%

Volatile Organic Content:
Zero pounds per gallon

Standard Colors:
Black Only

Recommended Thickness:
1/8" to 1/4"

Coverage Per Unit:
23.93 sq. ft. @ 1/4" and 47.87 sq. ft. @ 1/8"

Packaging:	**Cubic Feet:**
1/4 Unit	.125 (Approximately)
Unit	.50 (Approximately)
Bulk Unit	2.5 (Approximately)

*UNIT= .5.0# part A, 5.0# part B, 50# aggregate. A bulk is approximately 5 units (all weights approximate)

Mix Ratio:
*UNIT= .54 gallons part A to .54 gallons part B plus 50# aggregate. (weights and volumes approximate)

Shelf Life:
2 years in unopened containers

Flexural Strength:
7,346 psi @ ASTM D790

Yield Compressive Strength:
6,509 psi @ ASTM D695

Tensile Strength:
5,128 psi @ ASTM D638

Ultimate Elongation:
7.4%

Impact Resistance:
Excellent

Abrasion Resistance:
Excellent

Heat Deflection Temperature:
140 degrees F @ ASTM D648

Weathering:
Good

Dot Classification:
Part A&C "not regulated"
Part B "CORROSIVE LIQUID N.O.S., 8, UN1760,PGIII"

Viscosity:
Part A= 500-800 cps, Part B> 165 cps

CURE SCHEDULE:

Pot Life . . . . . 20-30 minutes @ 70°F (.45 cu. ft. mix)

Re-Coat . . . . . 7-9 hours @ 70°F (or topcoat)

Light Foot Traffic . . . . 14-16 hours @ 70°F

Full Cure . . . . . 2-7 days @ 70°F (Heavy Traffic)

Application Temperature:
55° - 90° degrees Fahrenheit.

Primer:
None Required

Topcoat:
None Required. Contact your sales representative for proper topcoat system selections. Multiple coats are required when topcoating over mortar.

Chemical Resistance:

REAGENT	RATING
Xylen	C
1, 1, 1 Trichloroethane	C
MEK	A
Methanol	A
Ethyl Alcohol	C
Skydrol	A
10% Sodium Hydroxide	D
50% Sodium Hydroxide	C
10% Sulfuric Acid	B
70% Sulfuric Acid	A
10% HC1 (aq)	C
5% Acetic Acid	A

Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion.

NOTE: Extensive chemical resistance information is available through your sales representative.

Limitations:
Color stability may be affected by environmental conditions such as high humidity or chemical exposure. This is not a decorative product. Color may vary from batch to batch due to variations in the silica filler. Mortar color is available in black only. Substrate temperature must be 5°F above dew point. For chemical exposure areas, we recommend a suitable topcoat to reduce porosity and chemical migration. All new concrete must be cured for at least 30 days prior to application. See reverse side for application instructions. Test data based on neat resin. Physical properties are typical values and not specifications. See reverse side for application instructions. Test data based on neat resin. Physical properties are typical values and not specifications. See reverse side for limitations of our liability and warranty.

WARNING: Keep out of the reach of children and read the MSDS and warranty and limitations to liability information before using.

See reverse side for application instructions.

AM 130 Mixing And Application Instructions:

1) PRODUCT STORAGE: Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be above 55°F to prevent product crystallization.

2) SURFACE PREPARATION: All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. We recommend that an aggressive shot blast be performed prior to the application of this product. A less adequate method would be acid etching, but the etch should properly profile the substrate. If this product is to be used over oil contaminated concrete, contact your representative for specific application procedures as it will require different application procedures than described herein. All edges and around columns or beams should be mechanically scarified.

All termination points should not be feather edged, but should be saw cut with the termination ending at the saw-cut. All large cracks should be V cut and filled with an appropriate crack filler. All expansion joints should be filled with an appropriate joint filler. When overlaying an expansion joint, a single saw cut through the epoxy overlay will prevent random fracturing.

A test should be made to determine that the concrete is dry; this can be done by placing a 4'X4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start coating. The plastic sheet testing is also a good method to determine if any hydrostatic pressure problems exist that may later cause dis-bonding.

3) PRIMER: No primer is necessary. This material is self priming. However, any suitable primer can be used.

4) PRODUCT MIXING: It is important that the liquids be mixed together first. Mix the liquids in an oversized container thoroughly and until streak free. After the liquids are thoroughly mixed, add in the aggregate. Mix in the aggregate with slow speed mixing equipment such as a jiffy mixer or rotating bucket/stationary mixing blade assembly. It is equally important that enough time is spent mixing in the aggregate to insure that the aggregate is thoroughly wetted out. No induction time is necessary. Improper mixing may cause product failure.

5) PRODUCT APPLICATION: Apply the mixed material at 1/8 to 1/4 inch thickness. Apply the material with a hand trowel or other suitable application equipment. Do not over-trowel the material as this may cause isolated blisters to form. Direct air current above or across the mortar during the cure cycle may cause blisters. Maintain temperatures within the recommended ranges during the application and curing process.

6) RECOAT OR TOPCOATING: No re-coating or topcoating is necessary. However, if you opt to topcoat the applied mortar, allow it to cure before topcoating. Some epoxies and urethanes are suitable for topcoats. Contact your sales representative for suitable topcoat selections.

7) CLEANUP: Use xylol

8) FLOOR CLEANING: Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

9) RESTRICTIONS: Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle.

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

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NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may **CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.**

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www.amcoating.com

Product Technical Data

AM 256M
Acid/Chemical Resistant Mortar Patch Kit/Resurfacer

Product Description

AM 256M Acid/Chemical Resistant Mortar Patch Kit/Resurfacer is a three component 100% solids epoxy mortar designed for applications where splash and spills of acids and chemicals occur.

Recommended For

- Traffic areas, chemical troughs, curbs, tanks, and chemical spill areas.

Not Recommended For

- AM 256M is suitable for most immersion applications, immersion for some chemicals will not be suitable

Solids By Weight:
97% (+/- 1%)

Volatile Organic Content:
Negligible

Standard Colors:
Natural, Red, Light Gray, and Dark Gray

Recommended Thickness:
1/8" to 1/4"

Coverage Per Unit:
21.06 sq. ft. @ 1/4" and 42.1 sq. ft. @ 1/8"

Packaging:	**Cubic Feet:**
1/4 Unit	.11 (Approximately)
Unit	.44 (Approximately)
Bulk Unit	2.5 (Approximately)

*UNIT= 6.5# part A, 3.85# part B, 52# aggregate. A bulk is approximately 5 units (all weights approximate)

Mix Ratio:
*UNIT= .66 gallons part A to .45 gallons part B plus 52# aggregate (weights and volumes approximate)

Shelf Life:
2 years in unopened containers

Flexural Strength:
10,120 psi @ ASTM D790

Compressive Strength:
9,440 psi @ ASTM D695

Tensile Strength:
6,550 psi @ ASTM D638

Ultimate Elongation:
2.9%

Impact Resistance:
Excellent

Abrasion Resistance:
Excellent

Heat Deflection Temperature:
118.5 degrees F @ ASTM D648, 1/2"x1/2" bar, span 4"

Weathering:
Good (Chalks)

Dot Classification:
Part A and Part C "not regulated"
Part B "CORROSIVE LIQUID N.O.S., 8, UN1760, PGIII"

Viscosity:
Part A= 1,500-2,000 cps, Part B= 400-850 cps

CURE SCHEDULE:

Pot Life . . . . . 30-50 minutes @ 70°F (.45 cu. ft. mix)

Re-Coat . . . . . 12-16 hours @ 70°F (or topcoat)

Light Foot Traffic . . . . 12-24 hours @ 70°F

Full Cure . . . . . 2-7 days @ 70°F (Heavy Traffic)

Application Temperature:
55° - 90° degrees Fahrenheit.

Primer:
USE MIXED LIQUID PRIOR TO ADDING AGGREGATE

Topcoat:
None required. When applying AM 256M in severe chemical exposure areas, topcoat with liquid portion of kit or suitable topcoat or grout coat to prevent chemical migration to the substrate.

Chemical Resistance:

REAGENT	RATING
Xylen	D
1, 1, 1 Trichloroethane	D
MEK	C
Methanol	C
Ethyl Alcohol	C
Skydrol	C
10% Sodium Hydroxide	E
50% Sodium Hydroxide	E
10% Sulfuric Acid	E
70% Sulfuric Acid	C
10% HC1 (aq)	D
5% Acetic Acid	D

Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion.

NOTE: Extensive chemical resistance information is available through your sales representative.

Limitations:
Clarity of color may be affected by environmental conditions such as high humidity, low temperatures, or chemical exposure. Chemical exposure may cause discoloration. Mortar colors are not from our standard color chart. Colors may vary from batch to batch due to variations in the silica filler.

Use only material from the same batch for an entire job location. Substrate temperature must be 5°F above dew point. All new concrete must be cured for at least 30 days prior to application. See reverse side for application instructions. Test data based on neat resin. Physical properties are typical values and not specifications. See reverse side for limitations of our liability and warranty.

WARNING: Keep out of the reach of children and read the MSDS and warranty and limitations to liability information before using.

See reverse side for application instructions.

AM 130 Mixing And Application Instructions:

1) PRODUCT STORAGE: Store product in an area as to bring the material to normal room temperature before using. Continuous storage should be above 55 degrees F to prevent product crystallization.

2) SURFACE PREPARATION: All dirt, oil, dust, foreign contaminants, and laitance must be removed to assure a trouble free bond to the substrate. We recommend that an aggressive shot blast be performed prior to the application of this product. A less adequate method would be acid etching, but the etch should properly profile the substrate.

All edges and around columns or beams should be mechanically scarified. All termination points should not be feather edged, but should be saw cut with the termination ending at the saw cut. All large cracks should be V cut and filled with an appropriate crack filler. All expansion joints should be filled with an appropriate joint filler. When overlaying an expansion joint, a single saw cut through the epoxy overlay will prevent random fracturing.

A test should be made to determine that the concrete is dry; this can be done by placing a 4'X4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start coating. The plastic sheet testing is also a good method to determine if any hydrostatic pressure problems exist that may later cause dis-bonding.

3) PRIMER: No primer is necessary. This material is self-priming. However, any suitable primer can be used.

4) PRODUCT MIXING: It is important that the liquids be mixed together first. Mix the liquids in an oversized container thoroughly and until streak free. After the liquids are thoroughly mixed, add in the aggregate.

Mix in the aggregate with slow speed mixing equipment such as a jiffy mixer or rotating bucket/stationary mixing blade assembly. It is equally important that enough time is spent mixing in the aggregate to insure that the aggregate is thoroughly wetted out. No induction time is necessary.

5) PRODUCT APPLICATION: Apply the mixed material at 1/8 to 1/4 inch thickness. Apply the material with a hand trowel or other suitable application equipment. Do not over-trowel the material as this may cause isolated blisters to form. Maintain temperatures within the recommended ranges during the application and curing process.

6) RECOAT OR TOPCOATING: No re-coating or topcoating is necessary. However, if you opt to topcoat the applied mortar, allow it to cure before topcoating. Contact your sales representative for suitable topcoat selections.

7) CLEANUP: Use xylol

8) FLOOR CLEANING: Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

9) RESTRICTIONS: Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle.

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

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NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. N0 WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may **CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.**

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Product Technical Data

AM 381 Quick Set Epoxy Mortar

Product Description

AM 381 Quick Set Epoxy Mortar is a two liquid component plus aggregate 100% solids epoxy mortar designed for applications where floors are subjected to moderate to severe chemical exposure.

Recommended For

- Moderate to heavy traffic areas where applications may be necessary as low as 45 degrees Fahrenheit.

Not Recommended For

- Immersion applications for all acids and chemicals

Solids By Weight:
100%

Solids By Volume:
100%

Volatile Organic Content:
Zero pounds per gallon

Standard Colors:
Natural, Red, Light Gray, and Dark Gray

Recommended Thickness:
1/8" to 1/4"

Coverage Per Unit:
21.79 sq.ft. @ 1/4" and 43.58 sq.ft. @ 1/8"

Packaging: **Cubic Feet:**
Unit (Liquids Only) .194 (Approximately)
Unit with Aggregate* .454 (Approximately)
see below

*UNIT = 8.75# part A, 4.3# part B.
(The amount of aggregate recommended with a unit of liquids is 45.6#)

Mix Ratio:
UNIT = 1.0 gallons part A to 0.50 gallons part B with 45.6# aggregate (volumes and weights approximate.)

Shelf Life:
1 years in unopened containers

Flexural Strength:
8,300 psi @ ASTM D790

Compressive Strength:
10,500 psi @ ASTM D695

Tensile Strength:
6,300 psi @ ASTM D638

Ultimate Elongation:
3.1%

Impact Resistance:
Excellent

Abrasion Resistance:
Excellent

Hardness:
Shore D = 82

Weathering:
Good (Chalks)

Dot Classification:
Part A "not regulated"
Part B "CORROSIVE LIQUID N.O.S., 8, UNI1760, PGIII"

Viscosity:
Mixed liquids = 500-1000 cps (typical)

CURE SCHEDULE:

Pot Life . . . . . 20-30 minutes @ 70°F (.45 cu. ft. mix)

Re-Coat . . . . . 3-5 hours @ 70°F (or topcoat)

Light Foot Traffic . . . . 4-6 hours @ 70°F

Full Cure . . . . . 2-5 days @ 70°F (Heavy Traffic)

Application Temperature:
45° - 90° degrees Fahrenheit.

Primer:
None Required

Topcoat:
None Required. For increased performance and reduced porosity, topcoat with AM 94 or AM 95

Chemical Resistance:

REAGENT	RATING
Xylen	B
1, 1, 1 Trichloroethane	B
MEK	A
Methanol	A
Ethyl Alcohol	B
Skydrol	C
10% Sodium Hydroxide	E
50% Sodium Hydroxide	E
10% Sulfuric Acid	D
70% Sulfuric Acid	B
10% HC1 (aq)	C
5% Acetic Acid	C

Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion.

NOTE: Extensive chemical resistance information is available through your sales representative.

Limitations:
Color stability may be affected by environmental conditions such as high humidity, chemical exposure or lighting such as sodium vapor lights. Colors may vary from batch to batch due to variations in the silica filler. Mortar colors are not from our standard color chart. Substrate temperature must be 50 F above dew point. For chemical exposure areas, we recommend a suitable topcoat to reduce porosity and chemical migration. Product is not UV color stable. All new concrete must be cured for at least 30 days prior to application. See reverse side for application instructions. Test data based on neat resin. Physical properties are typical values and not specifications. See reverse side for limitations of our liability and warranty.

WARNING: Keep out of the reach of children and read the MSDS and warranty and limitations to liability information before using.

See reverse side for application instructions.

AM 381 Mixing And Application Instructions:

1) PRODUCT STORAGE: Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be above 55°F to prevent product crystallization.

2) SURFACE PREPARATION: All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. We recommend that an aggressive shot blast be performed prior to the application of this product. A less adequate method would be acid etching, but the etch should properly profile the substrate. All edges and around columns or beams should be mechanically scarified.

All termination points should not be feather edged, but should be saw cut with the termination ending at the sawcut. All large cracks should be V cut and filled with an appropriate crack filler. All expansion joints should be filled with an appropriate joint filler. When overlaying an expansion joint, a single saw cut through the epoxy overlay will prevent random fracturing.

A test should be made to determine that the concrete is dry; this can be done by placing a 4'x4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start coating. The plastic sheet testing is also a good method to determine if any hydrostatic pressure problems exist that may later cause dis-bonding.

3) PRIMER: No primer is necessary. This material is self priming. However, any suitable primer can be used.

4) PRODUCT MIXING: It is important that the liquids be mixed together first. Mix the liquids in an oversized container thoroughly and until streak free. After the liquids are thoroughly mixed, add in the aggregate.

Mix in the aggregate with slow speed mixing equipment such as a jiffy mixer or rotating bucket/stationary mixing blade assembly. It is equally important that enough time is spent mixing in the aggregate to insure that the aggregate is thoroughly wetted out. No induction time is necessary. Improper mixing may result in product failure.

5) PRODUCT APPLICATION: Apply the mixed material at 1/8 to 1/4 inch thickness. Apply the material with a hand trowel or other suitable application equipment. Do not over-trowel the material as this may cause isolated blisters to form. Maintain temperatures within the recommended ranges during the application and curing process.

6) RECOAT OR TOPCOATING: No re-coating or topcoating is necessary. However, if you opt to topcoat the applied mortar, allow it to cure before topcoating. Many epoxies and urethanes can be used. Contact your sales representative for suitable topcoat selections.

7) CLEANUP: Use xylol

8) FLOOR CLEANING: Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

9) RESTRICTIONS: Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle.

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Product Technical Data

AM 381 Quick Set Epoxy Mortar

Product Description

AM 381 Quick Set Epoxy Mortar is a two liquid component plus aggregate 100% solids epoxy mortar designed for applications where floors are subjected to moderate to severe chemical exposure.

Recommended For

- Moderate to heavy traffic areas where applications may be necessary as low as 45 degrees Fahrenheit.

Not Recommended For

- Immersion applications for all acids and chemicals

Solids By Weight:
100%

Solids By Volume:
100%

Volatile Organic Content:
Zero pounds per gallon

Standard Colors:
Natural, Red, Light Gray, and Dark Gray

Recommended Thickness:
1/8" to 1/4"

Coverage Per Unit:
21.79 sq.ft. @ 1/4" and 43.58 sq.ft. @ 1/8"

Packaging: **Cubic Feet:**
Unit (Liquids Only) .194 (Approximately)
Unit with Aggregate* .454 (Approximately)
see below

*UNIT = 8.75# part A, 4.3# part B.
(The amount of aggregate recommended with a unit of liquids is 45.6#)

Mix Ratio:
UNIT = 1.0 gallons part A to 0.50 gallons part B with 45.6# aggregate (volumes and weights approximate.)

Shelf Life:
1 years in unopened containers

Flexural Strength:
8,300 psi @ ASTM D790

Compressive Strength:
10,500 psi @ ASTM D695

Tensile Strength:
6,300 psi @ ASTM D638

Ultimate Elongation:
3.1%

Impact Resistance:
Excellent

Abrasion Resistance:
Excellent

Hardness:
Shore D = 82

Weathering:
Good (Chalks)

Dot Classification:
Part A "not regulated"
Part B "CORROSIVE LIQUID N.O.S., 8, UNI1760, PGIII"

Viscosity:
Mixed liquids = 500-1000 cps (typical)

CURE SCHEDULE:

Pot Life . . . . . 20-30 minutes @ 70°F (.45 cu. ft. mix)

Re-Coat . . . . . 3-5 hours @ 70°F (or topcoat)

Light Foot Traffic . . . . 4-6 hours @ 70°F

Full Cure . . . . . 2-5 days @ 70°F (Heavy Traffic)

Application Temperature:
45° - 90° degrees Fahrenheit.

Primer:
None Required

Topcoat:
None Required. For increased performance and reduced porosity, topcoat with AM 94 or AM 95

Chemical Resistance:

REAGENT	RATING
Xylen	B
1, 1, 1 Trichloroethane	B
MEK	A
Methanol	A
Ethyl Alcohol	B
Skydrol	C
10% Sodium Hydroxide	E
50% Sodium Hydroxide	E
10% Sulfuric Acid	D
70% Sulfuric Acid	B
10% HC1 (aq)	C
5% Acetic Acid	C

Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion.

NOTE: Extensive chemical resistance information is available through your sales representative.

Limitations:
Color stability may be affected by environmental conditions such as high humidity, chemical exposure or lighting such as sodium vapor lights. Colors may vary from batch to batch due to variations in the silica filler. Mortar colors are not from our standard color chart. Substrate temperature must be 50 F above dew point. For chemical exposure areas, we recommend a suitable topcoat to reduce porosity and chemical migration. Product is not UV color stable. All new concrete must be cured for at least 30 days prior to application. See reverse side for application instructions. Test data based on neat resin. Physical properties are typical values and not specifications. See reverse side for limitations of our liability and warranty.

WARNING: Keep out of the reach of children and read the MSDS and warranty and limitations to liability information before using.

See reverse side for application instructions.