



american coating technologies

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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 approximately 1 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. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABILITY 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.**