



american coating technologies
www.amcoating.com

AM 5720 Ceramic Repair Paste

Product Description

AM 5720 is a 100% solid Novolac coating designed for maximum heat and chemical resistance. AM 5720 is an excellent coating for worn impellers, rudders, propellers, tube sheets, water boxes, ducts, piping, vessels, and storage tanks.

AM 5720 is a true high performance repair material and coating.

Chemical Resistance:

Ammonium Hydroxide
Aromatic & Aliphatic Solvents
Black Liquor
Butyl Acetate
Butyl Carbitol
Chlorinated Solvents
(except Methylene Chloride)
Chlorides
Chromic Acid up to 30%
Hydrochloric Acid up to 100%
(38% Hydrogen Chloride content)
Hydrofluoric Acid up to 35%
Hydrogen Sulfide
MEK
Nitric Acid up to 30%
Many Organic Acids
Phosphoric Acid up to 75%
Phosphates
Potassium Hydroxide
Salts
Sodium Hydroxide
Sodium Hypochloride up to 50%
Sulfides
Sulfuric Acid up to 98%
White Liquor

Adhesion Strength:

ASTM D 4541 2,500 PSI

Abrasion Resistance:

ASTM D 4060 CS17 WHEEL
1000 CYCLES 1 KG 35MG

Rockwell Hardness:

ASTM D 2240 80

Compression Strength:

ASTM D695 15,500 PSI

Flexural Strength:

D 790 13,000 PSI

Tensile Shear Strength:

ASTM D 1002 3,500 PSI

Color:

Light (AM 5410) & Dark Gray (AM 4520)

Container Size:

1 gallon kits, 4X1 quart case kit

Coverage Per Gallon (Theoretical):

160 sq. ft. @ 10 mils thickness

Coefficient of Expansion

(10⁻⁶ / per °F) 1.8

Flash Point:

Greater than 250°F (121°C)

Pull-Off Adhesion Test ASTM D 4541:

Minimum adhesion is 2800 PSI

Recommended Thickness*

Up to 250 mils

Specific Gravity Resin:

1.51; Hardener: 0.95

Volatile Organic Compounds (VOC)

0 grams/liter

Weight Per Gallon:

11.39 lbs

Pot Life:

@ 40°F (4°C) 5 hours 40 minutes
@ 75°F (24°C) 1 hour
@ 92°F (33°C) 25 minutes

Cure Time (at 70°F):

Re-coat Window 1-1½ hours
Light Loading 12 hours
Immersion 30 hours
(Aqueous) Service
Full or Chemical 7 days
Service

Service Temperature:

Dry Service 450°F (232°C)
Spill/Splash 360°F (182°C)
Immersion Service* 300°F (149°C)

*Immersion with solvent, mineral acids, or alkalines, or if over 150°F contact factory.

Product Features and Benefits

- 100% Solids, No VOCs
- Excellent chemical resistance
- Maximum heat resistance

Note:

Do not keep the blended coating in the original container unless immediate use is planned. Otherwise, exothermic heat created during the curing process will considerably shorten the pot life.

Pour the coating into a rolling tray or large aluminum-basting pan.

Try to keep the depth of the coating in the tray below 3/8".

Multiple Coats:

Second and subsequent coats must be applied before the previous coat has completely cross-linked. If additional coats are needed after re-coat window, brush blast before applying the next coat. Small areas may be abraded by sanding or wire brushing.

The same requirement applies when overlapping the seams of adjacent coating sections to create a continuous protective film. If the coating surface to be overlapped at the seam cannot be brush blasted, use a non-impact means as power brushing or sanding to create a mechanical profile.

See reverse side for limitations of our liability and warranty.

Safety

Mixes and applications of this product present a number of hazards. Read and follow the hazard information, precautions and first aid directions on the individual product labels and material safety data sheets before using. While all statements, technical information, and recommendations contained herein are based on information our company believes to be reliable, nothing contained herein shall constitute any warranty, express or implied, with respect to the products and/or services described herein and any such warranties are expressly disclaimed.

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