

1. Product Name

Acrymax® PC-535 Direct-to-Metal Elastomeric Rust Inhibitive Coating

2. Manufacturer

Acrymax Technologies Inc.
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3. Product Description

Basic Use:

PC-535 is an environmentally responsible DTM (Direct-to-Metal) waterborne acrylic primer, containing corrosion inhibiting pigment (no toxic compounds such as chromium or lead). PC-535 provides long-term corrosion protection with service life equal to or exceeding conventional corrosion inhibiting coatings, with the added benefits of extreme low temperature flexibility and low VOCs.

Features

- Long-term corrosion protection.
- Environmentally friendly waterborne formulation
- No flash rusting.
- Rapid dry and development of properties.
- Easily applied by spray, brush, or roller.
- Meets all VOC requirements
- Resists dust and dirt pickup and surface marring

Size:

Container sizes are typically 1 and 5-gallon pails.

Colors:

PC-535 is available in white, light gray, and dark gray. Other colors may be available by special order with minimum quantities.

Limitations:

Successful coating applications require proper selection of coating system for specific application. Comply with manufacturer's recommendations. Adequate and thorough surface

preparation is required. Do not apply when rain, fog, or freezing temperatures are possible within 24 hours after application or when temperature can fall below the dew point before coating can dry. Acrymax coatings should only be applied to sound and properly prepared surfaces.

Note:

Adequate and thorough surface preparation is required. Comply with all recommendations of Acrymax.

4. TECHNICAL DATA		
<i>Typical Properties (Liquid Coating)</i>		
Weight per Gallon	10.7 +/- 0.3 lbs.	ASTM D1475
% Solids by Weight	60.7 +/- 2.0	ASTM D2369
% Solids by Volume	50.4 +/- 2.0	ASTM D2697
Pigment Volume Concentration	24	
Viscosity	90- 110 KU	ASTM D562
V.O.C.	< 50 g/l	ASTM D3960
pH	8.8 – 9.3	ASTM E70
Flash point	N/A	
<i>Typical Physical Properties (20 mil Cured film)</i>		
Low temperature flexibility	Passes 1/8" mandrel bend @ -15°	ASTM D522
Elongation, @ break, 75°F	650% - Initial 420% - 1000 hr weathered	ASTM D2370
Tensile Strength, @ max, 75°F	210 psi - Initial 350 psi - 1000 hr weathered	ASTM D2370
Permeability (20 mil film)	<20 perms	ASTM D1653
Accelerated Weathering	1000 hours No cracking or checking	ASTM G154

5. Installation

Preparation:

Surfaces must be properly prepared before application of PC-535. Power-washing is recommended to insure a clean surface. Minimum preparation standards SSPC – SP2 Hand Tool Cleaning. Remove all dirt, dust, grease, oil, mill scale, old paint, and all foreign material, including soluble salts & non-visible contaminants.

Remove all rust with wire brushes, steel wool, sandpaper, scrapers, or brush off sand blast. Blow off all remaining dust with a clean air source if possible. Wipe surface clean with solvent dampened, lint free rag.

All surfaces must be *clean and dry* prior to application.

Application:

Acrymax PC-535 can be applied by brush, roller, or spray. Do not thin or dilute.

Spray Painting Recommendation:

Airless Spray – Minimum pump pressure 2000-3000 psi
Tip Size - .027 - .041

Coverage:

Recommended dry film thickness (dft) for Acrymax PC-535 is 7 – 10 mils. To achieve this film thickness, apply PC-535 at the rate of 1-1.25 gallon per 100 square feet. Apply in one or more coats in a manner to provide a uniform, pinhole free coating over entire surface. Coverage may vary depending on surface to be coated.

See specific application guidelines or consult Acrymax for detailed information and material requirements.

Drying Time:

Drying time depends on temperature, direct sunlight, air movement, relative humidity, dew

point, etc. and can vary considerably. Allow minimum of 1 hour between coats. Do not apply Acrymax PC-535 coatings when rain, fog, or freezing temperatures are possible within 24 hours after application. It is the responsibility of the applicator or foreman on the job to determine if present and forecast weather conditions are acceptable for application of waterborne coatings.

Clean-up:

Clean up with soap and water before coating dries. Waterborne coatings will not redissolve after drying, so pumps and other application equipment must be cleaned immediately following use before coating dries.

6. Availability and Cost

Acrymax coatings are available from Acrymax and through select distributors throughout the United States.

Cost information may be obtained from local distributors or through the manufacturer at the number listed in section 2.

7. Warranty

Limited Material Warranty:

Since Acrymax does not control the application of its products, or the condition of the surfaces to which they are applied; Acrymax's liability will under no circumstances exceed replacement of the product proven defective. Acrymax limited material warranty is available when all materials are used in strict accordance with all of Acrymax's requirements and recommendations. Acrymax's sole responsibility under this limited material warranty is for defective material and Acrymax's only obligation shall be to either replace or refund the purchase price of the materials or part thereof proven to be defective. No statement by anyone may supersede this limited material warranty, except when

done in writing by Acrymax's Technical Service Office in Media, PA.

8. Maintenance

Periodic inspections are advised for all projects. An occasional cleaning and/or recoating of surfaces may be required depending on environmental conditions to which material surface is exposed. Repair as necessary.

9. Technical Services

Factory service personnel offer design assistance and technical support. For technical assistance, contact Acrymax.

10. Disclaimer

The technical data and suggestions for use contained in this document and Acrymax published product information are believed to be true and accurate as of the date of issuance. The statements contained in these product information publications do not constitute a warranty, expressed or implied, as to the performance of these products. All technical information is subject to change without notice.

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Read and comply with Material Safety Data Sheet