

TECHNICAL DATA SHEET
Product Name: TDS-ProCoat Fire-Resist
Acrylic Roof Foam Coating 1K

Product Description:

ProCoat Fire-Resist Acrylic Roof Foam Coating -1K is a high temperature waterborne siliconized-acrylic fire-resist ignition barrier coating that meets ASTM E84 direct flame contact, 5 flame spread and 70 smoke during flame exposure. It is environmentally friendly and is used in fire-resist applications such as mine wall liner safety precautions, top-coating SPF roof building foam, cedar shake roofing materials, styrene and polyurethane foam board and other flammable material E84 protection. This material provides excellent UV stability with acrylic-toughness and is a non-toxic APEO Free Product.

It is a water-based performance-filled formulation that is applied by low pressure high-volume air-less spray equipment, roller or brush.

- 1-component waterborne barrier coating with ease of application.
- Spray, roller or brush formulations which do not contain VOCs delivering excellent adhesion.
- Excellent satin or if desired flat appearance, smooth slick polymer surface.
- Non-burn texture aggregates may be added for decorative appearance.

Material Property Values and Application Requirements Table

Property	Value	Test Method
Fire Rating	Class I, 5-Flame Spread, 70-Smoke	ASTM E84
Solids by weight	80% +/- 2%	Weighed
Abrasion Resistance	5 mg loss /1000 cycles	ASTM D4060 (CS-17)
Hardness Shore D	45-50	ASTM D785
Elongation	~100%	ASTM D412
Water Absorption	24 h immersion <0.5% by vol.	ASTM C272
Application: Air-less sprayer, HVLP gun, Pressure Pot, applied by hand roller or brush. Coverage 125 sqft./mixed gal.		
Drying time: 30 minutes depending on ambient conditions, With pigment, power mix stir slowly until uniform color prior to use.		
Storage: Protect from freezing. Storage temperature is 60°F to 80°F (15°C to 25°C). Keep in tightly covered container in moisture-free storage, shelf life 6 months not opened.		
Surface Preparation: Must be Clean and Dry, No residual surface cleaner or other contaminates, approved surface type, installation ambient temperature: 46F(8°C)- 95F(35°C), <60% ambient humidity, surface temp. 46F(8°C)- 90F(32°C).		

Please contact our Engineering and/or Technical Support Groups with any questions.

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