

## CRRC®-rated, white acrylic roof coating that can reduce roof temperatures by 50 to 80 degrees

### OVERVIEW

Imper-Sol is a CRRC-rated, white acrylic roof coating that can reduce roof temperatures by 50 to 80 degrees. The fire retardant roof coating is formulated from water-based, pure acrylic, self-curing latex polymers. Imper-Sol, an elastomeric coating, also contains unique “bleed-blocking” polymers that make it very suitable for use over asphaltic surfaces.\*

It is designed for application by brush, roller or spray. Once cured, Imper-Sol preserves asphaltic or modified bitumen surfaces and reduces under roof temperatures to create a more pleasant interior work environment that is less costly to maintain. Imper-Sol meets Title 24 requirements.

Additional product advantages include:

- Contains substantial levels of UV-blocking pigments that keep solar heat out of the building envelope and reflect UV rays, slowing down roof aging and extending the useful life of a roofing system
- Contains a unique blend of ingredients that produce a superior, flame-retardant surface\*
- Imper-Sol can reduce roof temperatures by 50 to 80 degrees and save significant amounts of cooling energy
- Eliminates flammability and toxicity hazards associated with solvent-based coatings
- No irritating or unpleasant odors
- High-quality acrylic polymers provide added strength, flexibility, adhesion, and color-retention to aged roofing systems

\*Refer to UL and FM publications to determine how Imper-Sol should be used with a specific roof system or assembly.

### APPLICATION

The existing roof surface must be sound and free of defects such as blisters, splits, fishmouths, etc. All defects must be repaired with a suitable patching material. All fresh applications of mastics, coatings or asphalt adhesives require a minimum of 30 days to cure prior to application of Imper-Sol.

Loose materials, standing water, debris, oil, and other contaminants may prevent full adhesion of the coating and must be removed. Imper-Sol is designed for application by brush, roller or spray. The coating is ready for immedi-

ate use; however, it should be stirred, not thinned, prior to application.

Imper-Sol should be applied at a rate of 1½ gallons per 100 ft.<sup>2</sup> (0.41-.61 l/m<sup>2</sup>) per coat depending on the substrate. For best results, apply a two-coat application in a crosshatch manner.

### PRECAUTIONS

- Do not apply when the ambient temperature is below 50°F (10°C) or above 95°F (35°C)
- Do not use on roof areas subject to ponding water
- Do not apply when rain is expected within 12 hours
- Do not allow product to freeze
- Store material in dry protected areas and on clean raised platforms
- Shelf life is one year in an unopened container
- All safety and good roofing practices should be followed while applying this product
- Imper-Sol should be installed by a professional roofing contractor having previous experience in the application methods described
- Dispose of unused portions and empty containers in accordance to local regulations.

\*APP polymer modified bitumen; smooth surface membranes are susceptible to exuding light oils, which can cause the coating to turn brown or discolor after application. It is highly recommended a period of 30 to 45 days lapse prior to applying Imper-Sol to smooth APP polymer modified bitumen membranes

Technical Schedule	
<b>COLOR</b>	White
<b>WEATHERING</b> (ASTM D-4798)	No deterioration over 1000 hours per ASTM G 26 test requirements
<b>NON-VOLATILE</b> (ASTM D-1644)	66% min
<b>DENSITY @ 77°F (25°C)</b> (ASTM D-1475)	12 lb./gal (1.43g/cm³)
<b>ELONGATION</b> (ASTM D-2370)	100% minimum
<b>TENSILE STRENGTH</b> (ASTM D-2370)	200 psi minimum
<b>TOXICITY</b>	Non-toxic; Water based
<b>SHELF LIFE</b>	1 yr. in an unopened container
<b>VOC</b>	<50 g/l
<b>REFLECTANCE</b>	.84 (initial) .78 (3-year aged)
<b>EMITTANCE</b>	.91 (initial)
<b>SRI</b>	106
<b>COVERAGE</b>	1-1.5 gal./100 ft.² (0.41-0.61 l/m²) per coat (2-coat application required)
<b>PACKAGING</b>	5 gallon pail (18.9 l) 55 gallon drum (208.2 l)

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