

Product Specifications

Product Description

Thermoshield Elastomeric Radiation Control Coating is an emulsion of high grade acrylic resins in water. It dries by evaporation to yield a tough, velvety, non-yellowing, water repellent surface with exceptional abrasion resistance and ultra-violet light stability. TC 938/45S/101 when applied directly to rust will immediately convert iron oxide to iron phosphate upon contact, preventing further rusting problems.

Unlike other coatings, it contains ceramic particles. These particles are the heat dissipating elements in Thermoshield Elastomeric Radiation Control Coating that give it the ability to save on cooling cost. It is applied to yield a tough, water tight, roof membrane.

Thermoshield Elastomeric Radiation Control Coating will take all universal tints, but must be restricted to the first shade of pastel colours on any colour chart. Please Note: Do not use black pigmentation for tinting.

TC 938/45S/101 METAL

Airless Spray Equipment Roll On / Brush

Application

Surfaces should be clean, dry and sound. Existing surface dirt, oil, tar, grease and mill film should be removed prior to application of Thermoshield's Elastomeric Radiation Control Coating.

Thermoshield TC 938/45S/101 can be applied by airless spray equipment or by brush/roller only. It should be applied evenly without build-up. Multiple coats are recommended, to a total wet film thickness of 500 micron (0.5mm).

Cautions and Warnings

Do not take internally. Avoid contact with eyes. If solution does come in contact with eyes, flush immediately with water and contact physician for medical attention. Avoid prolonged contact with skin or breathing spray mist.

Keep Out Of Reach Of Children - Keep From Freezing

Typical Performance Properties

Elongation

242% at 25°C	ASTM D-412
220% at 32°C	

Tensile Strength

406 P.S.I. at 77	ASTM D-412
339 P.S.I. at 32	

Abrasion Resistance

No wear after 450 litres of falling sand	ASTM D-968
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Wind Driven Resistance

No moisture penetration Federal Spec.

After 24 hours		TT-C55
Visual Colour	9	ASTM D1729
Chalking	10	ASTM D4214
Checking	10	ASTM D660
Cracking	10	ASTM D661
Blistering	10	ASTM D714
Flaking	10	ASTM D772
Accelerated Weathering		ASTM D4587
1500 Hrs. Pass		

Coverage Chart

Surface	Approx Coverage
Metal	2 m ² /Lt
Metal Under Skirting	3.5 m ² /Lt

Coverage is based on 1 Litre units and double coat applications.

Coverage is approximate for normal substrates.

Under irregular conditions more products is required.

Additional Product Features

- Non-Toxic
- Water Borne Abrasion Resistant
- Mould and Mildew Resistant
- Simple Application Process
- Clean up with Soap and Water
- Suitable for Water Harvesting