



TC 938/45S/101 Metal

Airless Spray Equipment Roll On / Brush

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 sulphate 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.

Do not use black pigmentation for tinting.

Outstanding Features

- Temperature reduction of up to 45%
- Reduces roof degradation by up to 80%
- Non-Toxic
- Converts rust
- Water Borne
- Abrasion Resistant
- Energy Savings
- Mildew Resistant
- Time and Cost Saving
- Clean up with soap and water
- Waterproofing properties.

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 or spray mist.

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
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	
1500 hours. Pass	ASTM D4587

Coverage Chart

Surface	Approx Coverage
Metal	2.0 m2/Ltr
Metal under skirting	3.5 m2/Ltr

Coverage's are based on 1 Litre units and double coat applications. Coverage's are approximate for normal substrates. Under irregular conditions more products is required.

KEEP OUT OF REACH OF CHILDREN. KEEP FROM FREEZING