



**A.B.N. 37 079 666 774**

## **TC 938/45S/101 CONCRETE 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.

**Please Note:** 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

Labour, 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.

**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

ASTM D-968

of falling sand

#### **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 Hrs.

ASTM D4587

Pass

### **COVERAGE CHART**

<b>Surface</b>	<b>Approx. Cov. (m<sup>2</sup>/litre)</b>
Metal / Concrete	2
Under skirting	3.5
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.	