

Datasheet

Thermoshield



The original ceramic heat barrier coating that reduces inside temperatures by up to 45 % and prolongs roof life.



Disclaimer: The information contained in this data sheet is provided in good faith and correct to the best of our knowledge. Wallchem Manufacturing cc reserves the right to change these specifications if deemed necessary.

Unique Heat Reduction Coating

PRODUCT DESCRIPTION

A unique Liquid Ceramic Radiant Heat Barrier Coating originally pioneered by NASA. Reduces interior temperatures by up to 45% and is 96.6% UV-stable for improved living conditions. Seals and waterproofs home, garage, workshop, farmshed and other roof and wall structures, whilst preventing rust.

SURFACE PREPARATIONS

- Surfaces must be free from dirt, grease and oil
- Clean thoroughly and allow to dry.
- Clean algae and fungal growth with anti-fungal solution. Rinse well and allow to dry.

APPLICATION

- STIR the contents thoroughly using a flat panel or plunger before use. CAUTION: Under NO circumstances use any equipment in excess of 200 RPM to mix this product; this will destroy the components and will affect performance.
- This product should be applied WITHOUT THINNING. Apply using Paint Spray Machine (527 nozzle) and allow 4 to 6 hours drying time between coats.
- Thermoshield should be sprayed applied using a 527 nozzle for best appearance and performance.
- Application pressure should not exceed 120 bars.
- The product should be applied at a wet film thickness of 500 microns to function as specified. To achieve this thickness, 2 or more coats would be required.
- CLEAN painting equipment with water immediately after use.

COMPATIBILITY

- Thermoshield is generally compatible with the following paint substrates: Styrene Acrylic Waterproofers, Primers and topcoat, Pure Acrylic Waterproofing, Primers and top coat, Solvent based Metal Etch Primers and Long Oil based Universal Undercoat. Thermoshield is not compatible on bitumen substrates. Please consult paint substrate datasheet to confirm overcoat ability.

STORAGE

Store in cool and dry conditions out of direct sun light

PRECAUTIONS

- Do not apply if rain is imminent.
- Do not apply if temperature is less than 2 - 3°C above dew point, or if surface temperature is above 50°C.
- Keep out of reach of children.
- Avoid eye contact. If contact did occur, clean with running fresh water and consult a physician if necessary.
- Should the product dry out during application, add small amounts of water.

SPREAD RATE

Coverage is $\pm 2 \text{ m}^2$ per litre (depending on surface and application). A minimal Dry Film Thickness of 300µm is required.

AVAILABLE COLOURS

- Product performs best when white. Light pastel shades can be tinted.
- No tinting should be performed where black pigmentations required since the product will not perform as specified at darker shades.