



### DESCRIPTION

One component, water based polymeric waterproofing coating

### INTENDED USE

Developed as a high performance polymeric coating developed to provide a solar reflective system for all types of roof structures

### PRODUCT FEATURES

- Consists of a complex blend of polyacrylate resins and aliphatic hydrocarbon polymers reinforced with solar reflective particles and reinforcing agents to provide the optimum blend of thermal reflection, adhesion and durability within the applied coating
- Offers outstanding weather resistance in all types of climate and is totally unaffected by extreme levels of ultra violet light and remains flexible at temperatures below -30°C
- This unique micro porous finish allows the underlying surface to breathe and has excellent waterproofing and weather proofing properties
- Ideal for roof surfaces where heat and energy cost reduction are major requirements

### PHYSICAL PROPERTIES

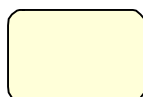
<b>Elongation</b> ASTM D412	150%
<b>Solar Absorption</b> ASTM E903	0.16
<b>Tear Strength</b> ASTM D624	10N/mm
<b>Tensile Strength</b> ASTM D412	3n/mm <sup>2</sup>
<b>Thermal Conductivity</b> ASTM D5470	0.056 W/m °C
<b>Vapour permeability</b> ASTM E96	3.5gm.mm/m <sup>2</sup> /24hr

### PACKAGING

- 20 Litre Unit

### STANDARD COLOUR AVAILABILITY

Off White



### PRODUCT INFORMATION

- **Number of Components:** 1
- **Mixing Volume Ratio:** Supplied RFU
- **Volume Solids:** 60%
- **Film Thickness:** Wet - 250µm  
Dry - 150µm
- **Spreading Rate:** 4m<sup>2</sup> /lt @ 150µm DFT
- **Temperature Resistance:** Dry 100°C
- **V.O.C:** Nil
- **Food Contact:** Meets USDA requirements for incidental food contact

### SURFACE PREPARATION

- Product should only be applied to structurally sound roof areas. On flat roofs which have been dressed with large or medium size chippings, these must be removed prior to application. A mechanical flail should be used to remove the chippings & the surface then cleaned to remove all loose dirt and dust
- On asphalt roofs, blisters should be cut out and the void filled with polymer concrete screed. On felt roofs sever blisters should be cut open and bonded flat. Any areas of moss or lichen growth should be scraped clean and treated with **Speccoats Hydro-solve** in accordance with the product instructions
- Any surface to be protected must be clean, dry and firm, and this is especially important with metallic, glass or plastic surfaces
- At any wide joints (such as joints on corrugated roofs or poor fitting flashings) or where excessive movements can be expected (such as valley gutter joints) it is advisable to apply **Speccoats Poly-Tech Bridging** over these areas. To apply the **Speccoats Poly-Tech Bridging** simply peel off the protective film and press down firmly, following the contour as far as possible. Finally, ensure the edges are pressed down to be flush with the surface

### Priming

- **Bituminous & porous** surfaces should be primer with **Speccoats BP Primer**
- **Glass, Previously painted surfaces** and non-porous mineral surface should be primed with **Speccoats WB Epoxy GP Primer**
- **Metallic** surfaces should be primed with **Speccoats WB Metal Primer**
- **Galvanic** Surfaces should be primed with **Speccoats WB Galvanized Primer**



### APPLICATION




#### Mixing – One component

- Supplied ready for use and requires no mixing, however stirring the product to incorporate any slight separation is required

#### Application – Second Coat

- Ideally the second coat should be applied with 2-4 hours of the first coat being applied, this overcoating time depends upon temperature and drying conditions
- If overcoating time between coats is extended the first coat should be cleaned to remove any dirt or contamination, prior to the second coat being applied

#### Application – Equipment & Methods

 Brushes	Apply uniform, even coating with high quality brushes from Speccoats
 Rollers	Apply uniform, even coating with Medium to long pile rollers from Speccoats
 Airless Spray	Pump Ratio - 45 to 1 Min Nozzle Orifice - 25 to 42 Thou Tip Pressure - 3000 psi

Ensure all equipment is cleaned IMMEDIATELY after use

#### Thinning

- Thin up to 10% with *Clean Water*

#### Cleaner

- Cleaning is done with *Speccoats SA 65 Thinners*

### APPLICATION ENVIRONMENT

Level	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	5°C*	5°C	No lower limit
Maximum	45°C	40°C	85%

\*or 3° above the dew point

### DRYING TIME

Touch dry	Over-coating interval		Shower Resistant	Water Resistant
	Minimum	Maximum		
30 minutes at 20°C	2 hours at 20°C	4 hours at 20°C	30 minutes at 25°C	2 Hours At 25°C

All the above times relate to normal, still air conditions. Times will be reduced in windy conditions but will be extended in humid conditions

### STORAGE AND HANDLING

**Storage -** Store at temperatures between 5°C and 40°C, away from direct sunlight, open flames or sparks

**Shelf Life -** Minimum 1 year when packed in original containers

### HEALTH AND SAFETY

- As long as normal good practice is observed, Therma-tech RG can be safely used
- Protective gloves should be worn
- Vapour masks should be worn for spray applications
- Refer to Material Safety Data Sheet (MSDS)

### DISCLAIMER

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