

# PRODUCT SPECIFICATION SHEET: REPTHERM 5560 TB XF

## PRODUCT DESCRIPTION

REPTHERM 5560 TB XF is a high build solvent-free low emissivity coating designed to eradicate condensation build up on cold water lines and can be used on hot process surfaces to reduce the touch surface temperature.

## TYPICAL APPLICATIONS

Applications to hot pipework, process equipment, tanks, evaporators, separators. Also used to overcome problems of Corrosion Under Insulation.

## GENERAL PRODUCT INFORMATION

### Appearance

Base: Highly Structured Thixotropic liquid  
Activator: Amber Liquid

### Mixing Ratio

By Weight: 2.25:1  
By Volume: 5.5:1

### Density

Base: 0.52  
Activator: 0.99  
Mixed: 0.54

### Solids content

100%

### Slump Resistance

Nil at 2000 microns

## COVERAGE RATE

### Brush or Roller Application:

Reptherm 5560 TB XF can be applied at wet film thicknesses up to 2mm. At 2mm wet film thickness the coverage rate will be 0.5m<sup>2</sup> per litre.

*Please note that the coverage rates quoted are theoretical and do not take into consideration the profile or condition of the surface being coated.*

## SHELF LIFE

The shelf life of the product is 2 years if unopened and stored in cool dry conditions (15-30°C/ 60-86°F). Once opened replace the lid firmly and store as above.

## MECHANICAL PROPERTIES

### Adhesion

**Tensile Shear** when tested in accordance with ASTM D1002 on abrasive blasted mild steel with a 75 micron profile will typically be:

183kg/cm<sup>2</sup>      2,600 psi

### Corrosion Resistance

When tested in accordance with ASTM B117 the material shows no sign of corrosion after:

Minimum 5000 hours Exposure

**Flexural Strength** tested in accordance with ASTM D790 typical values will be:

522kg/cm<sup>2</sup>      7,400psi

### Hardness

Shore D to ASTM D2240 - **80**

### Thermal Conductivity

When tested to ASTM C-335 0.056 BTU/hr/ft/°F  
When tested to ISO 8301 0.09 W/mK

### Personal Protection

Tested to ASTM C-155 pass 5 second exposure at 140°C

### Heat Resistance

Resistant to dry heat up to 140°C.

## TEMPERATURE RESISTANCE

Abrasive blast cleaned plate was coated with 3mm of coating and tested at the temperatures stated below:

### *Surface Temperature*      *Touch Temperature*

**80°C**      **32°C**

**90°C**      **35°C**

**100°C**      **38°C**

**110°C**      **41°C**

**120°C**      **44°C**

**130°C**      **47°C**

**140°C**      **50°C**

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#### CURE TIMES

The material should be applied to harden s for the times indicated below before being subjected to the conditions indicated:

##### Usable Life

10°C	60 minutes
20°C	30 minutes
30°C	15 minutes
40°C	7.5 minutes

##### Minimum Overcoating Time

10°C	8 hours
20°C	4 hours
30°C	2 hours
40°C	1 hour

##### Maximum Overcoating Time

10°C	72 hours
20°C	36 hours
30°C	18 hours
40°C	9 hours

#### CHEMICAL RESISTANCE

The product resists attack by a wide variety of aqueous acidic solutions at elevated temperature and other media at lower temperatures. Refer to the Repco Technical Centre for advice.

#### TECHNICAL SUPPORT

Zoom Corrosion Technology offer complete technical support and assistance, from discussing application requirements to training approved local contractors. For further information please contact a REPCO representative or your nearest REPCO authorised dealer.

#### HEALTH AND SAFETY

Please refer to the product safety data sheet for detailed information on handling, storage, shipping and disposal.

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