

RESICHEM 563 Siltherm 250

Resichem 563 Siltherm 250 is a high build solvent-free low emissivity coating designed to reduce heat transfer from underlying metal surfaces thereby reducing heat loss and the risk of burns through personal contact.

Typical applications

Pipelines, external tank surfaces, evaporators, separators, pumps, valves, process equipment.

Characteristics

Appearance

Single component:
Highly structured
thixotropic liquid

Mixing Ratio

Single component

Density

Mixed: 0.50

Solids content

100%

Sag Resistance

Nil at 3000 microns

Coverage

Brush or roller applications:

The material can be applied at wet film thickness between 2-3mm.

At 2mm wet film thickness the coverage rate will be 0.5m² per ltr.

Cure Times

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

Minimum overcoating time

10°C 65% RH 8 hours
20°C 65% RH 4 hours
30°C 65% RH 2 hours
40°C 65% RH 1 hour

Maximum overcoating time

Indefinite

Storage life

1 year if unopened and stored in normal dry conditions (15-30°C)

Mechanical Properties

Corrosion Resistance

Tested to ASTM B117
Minimum 5000 hours

Thermal Conductivity

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

Personnel Protection

Tested to ASTM C-155
Pass 5 second exposure test at 250°C

Heat Resistance

Resistant to dry heat up to 250°C.

Temperature Reduction

Abrasive blast cleaned plate was coated with 3-6mm of coating and tested at the temperatures stated below:

Surface Temperature	Touch Temperature
150°C	42°C
200°C	48°C
250°C	55°C

For more detailed information refer to the Resimac Technical Centre for advice.

Quality

All Resimac Products are supplied under the scope of the company's fully documented quality system.

Warranty

Resimac warrants that the performance of the product supplied will conform to the typical descriptions quoted within this specification provided material is stored correctly and used according to the procedures detailed in the Technical Data Sheet for the material.

Health and safety

Please ensure good practice is observed at all times during the mixing and application of this product. Protective gloves and other recommended personal protective equipment must be worn during the mixing and application of this product. Before mixing and applying the material please ensure you have read and fully understood the detailed Material Safety Data Sheet

Legal Notice: The data contained within this Product Specification is furnished for information only and is believed to be reliable at the time of issue. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the responsibility of the customer to determine the products suitability for use. Resimac accepts no liability arising out of the use of this information or the product described herein.