

## RESICHEM 532 HeatSil 500 – high temperature corrosion protection coating

**Resichem 532 HeatSil 500** is a single component solvent free moisture cured silicone material which cures at ambient temperature to give a hard corrosion and heat resistant surface. The material is designed to be spray applied and will resist temperatures of up to 500 °C/ 932 °F.

- Single component
- Solvent free silicon
- High temperature resistance to 500 °C/ 932 °F.
- Excellent corrosion protection at high temperatures

### Typical applications

Hot process pipes                      External tank and process equipment surfaces  
External pipeline surfaces            Corrosion under insulation protection

### Surface Preparation

All oil and grease must be removed from the surface to be coated using an appropriate cleaner such as MEK. For the best results abrasive blast clean all surfaces, however if this is not possible surfaces can be prepared using handheld mechanical grinders.

#### Mechanical abrasion

1. All surfaces must be mechanically abraded using handheld grinders to **ISO 8501/4 ST3 (SSPC SP3 ST3)**.

#### Abrasive blast cleaning

1. All surfaces must be abrasive blasted to **ISO 8501/4 Standard SA2.5 (SSPC SP10/ NACE 2)** minimum blast profile of 75 microns (3mil) using an angular abrasive.

### Mixing

1. Do not take off any lids off until you are ready to spray – this is a moisture cured product.
2. The product is a single component product
3. Ensure the product is at a temperature between 15-25°C (59-77°).
4. The ambient & surface temperatures are not less than 3°C (6°F) above the dew point.
5. Agitate the product prior to spraying using a drill and paddle mixer.

### Application

Standard Airless Spray Applications

1. Spray application should be carried out by airless spray using a 30:1 ratio pump.
2. Inlet pressure of 50-70psi and a tip pressure of 1500-2100psi.
3. Tip size 15-19 thou should be used.
4. Hose 3/8" / 1/4" whip end. Filter 60#.
5. Apply this product in a single coat to all surfaces at 60-90 microns (2.5-3.5mil) wet film thickness.

### Coverage Rates

5ltrs (1.32 US gallon) of fully mixed product will give the following coverage rates –  
11.1m<sup>2</sup> at 90 microns                      119ft<sup>2</sup> at 3.5mil

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

### Cure Times

Being moisture cured, the cure times of 532 Heatsil 500 will be significantly influenced by temperature and humidity. At 20 °C and 65% Relative Humidity, typical cure times will be as follows:

Touch dry	60 minutes
Light loading	12 hours
Fully cured	3 days

## Pack Sizes

This product is available in the following pack sizes –  
5ltrs (1.32 US Gallon)

## Colour

Single component product - White

## Storage Life

1 year if unopened and store in normal dry conditions (15-30°C/ 60-86°F)

## Other Technical Documents

Quick Application Guide	-	Spray applications
Safety Data Sheets	-	Single component
Product Specification Sheet	-	Technical Performance Information

## Health and Safety

Please ensure good practice is observed at all times. Protective gloves, goggles & a disposable coverall must be worn during the mixing and application of this product. Before mixing and applying the material ensure you have read the fully detailed Safety Data Sheet.

## Legal Notice:

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