

## RESICHEM 583 CHEMSIL UC

**Resichem 583 Chemsil UC** is a single component rapid solidifying pourable silicone polymer system that has been designed to be applied to conditioned concrete surfaces or abrasive blast cleaned metallic surfaces. The product offers a flexible, seamless organic acid resistant lining once cured.

### Surface Preparation

All oil and grease must be removed from the surface of the substrate being adhered to using an appropriate cleaner such as MEK. For optimum performance, the surface should be abrasive blasted to Swedish Standard SA2.5 and a minimum blast profile of 75 microns using an angular abrasive. Once blast cleaned, the surface must be degreased and cleaned using MEK or similar type material. All surfaces must be repaired before gingering or oxidation occur.

**NOTE:** For salt contaminated surfaces the area must be repeatedly water washed, preferably by power washing, until ingrained salts no longer come to the surface on drying. The surface should then be abrasive blast cleaned as above prior to cleaning and degreasing with MEK.

Where abrasive blast cleaning is not possible the surface should be roughened by bristle blaster, needle gun or grinding. Under these conditions adhesion levels will not be optimal although still satisfactory for most applications.

When applying to concrete surfaces, the surface must be abraded using a mechanical grinder. All surfaces must be clean and free from surface contaminants and dust.

Apply Resichem 589 Adhesion Promoter to all surfaces using a brush or roller. For excessively porous surfaces a 2nd coat of the primer may be applied.

### Mixing and Application

Resichem 583 Chemsil UC is a single component product. Before applying the product ensure the product has been agitated using an electric or air powered drill with mixing paddle.

Pour the mixed material into a paint tray and apply to the wall or floor surfaces by brush or roller. The material should be applied at a wet film thickness of 400-600 microns, at a coverage rate of 1.66-2.5m<sup>2</sup> per ltr (theoretical).

### Cure Times

The cure time of the material will be dependent on temperature as follows:

20°C	3 – 4 hours
60°C	45 minutes
80°C	20 minutes

## Over-coating times

There are no minimum and maximum over-coating times associated with this material.

## Storage Life

12 months if unopened and stored in normal dry conditions (15-30°C)

## Health and Safety

Please ensure good practice is observed at all times during the mixing and application of this product. Protective gloves and eyewear 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 Technical Data Sheet 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.