



GUTTER SYSTEMS

SEAMSIL® 300

DEFECTIVE JOINT TREATMENT

SEAMSIL® 300 is a Silicone based system designed specifically for externally sealing joints of Galvanised Steel, Aluminium, Concrete and Asbestos Cement gutters

SEAMSIL® has excellent elastic and flexible properties to withstand normal surface movements and is unaffected by UV or extremes of weather and temperature.

SEAMSIL® has exceptional adhesion and cures to provide a tough elastic seal.

SEAMSIL® materials are formulated to be compatible with each other. SEAMSIL® Sealant is fully compatible with SEAMSIL® Base and Top Coat. Proprietary silicone products or other non-silicone mastics are however not the same, may not be compatible and should not be used in conjunction with SEAMSIL® Sealants and paints.

Contractor Qualifications

It is the applicators' responsibility to inspect each section of the application to ensure that the correct steps have been taken as outlined in this specification document.

This information is provided herewith as a general guide in good faith but without responsibility for use made of the product outside Giromax control. Users should undertake own tests to determine product suitability. Detailed project specifications are available on request.

Cleaning asbestos cement surfaces must be strictly in accordance with current regulations. All preparation activities shall comply fully with the relevant Health & Safety at Work Act, especially with regard to the removal and disposal of asbestos based waste products.

SEAMSIL® Sealant is a single component Alkoxy curing silicone supplied in 310 ml cartridges, gun applied to seal between the upper and lower sheets of an overlap joint.

SEAMSIL® Basecoat is single component Alkoxy curing silicone suspended within a solvent carrier, supplied in 5kg containers for brush application.

Product Data:

Curing System:	Alkoxy	Colour:	Grey
Shore A (Approx.):	20	ISO 9047:	25
Tensile Strength:	1.6 N/mm ²	Full Cure:	14 Days
Application Temp:	+3°C/+60°C	Shelf Life:	12 mths
Volume Solids:	80% (±2%)	Specific Gravity:	1.40
Movement Accom.	± 50%	Break Elongation:	700%
Temp. Resistance:	-50°C/+100°C		

Delivery & Storage:

Materials shall be delivered in the manufacturers original, tightly sealed containers and unopened packages, clearly labelled with the manufacturers name, product identification, safety information, approvals and batch numbers. Store in a cool, well ventilated area. Keep containers tightly closed.

Environmental Conditions:

No application may proceed during inclement weather.

- The substrate must be free from ice, frost, surface moisture, visible dampness and any contamination.
- The air temperature must be above 3°C
- Surface to be 2°C above Dew Point.

Further Information:

For further information including Safety Data Sheets contact:

Specification: *Seamsil*® 300

<i>Issue</i>	<i>Revision</i>	<i>Date</i>
1	Origination	Apr 1997
4	Specification Review	Jan 2008

The following specification is given in good faith, without prejudice or liability. Product Technical and Safety Data must be observed at all times and are deemed part of this specification.

Surface Preparation

Remove all poorly adherent residual coatings from the surface. On metal substrates, remove all rust and white (zinc) salts wherever possible. Ensure the surface is not polished.

On Asbestos Cement and concrete, clean and dry the joint by removing all old treatments, dirt, grease, and surface contaminants. Cleaning asbestos cement surfaces must be strictly in accordance with current regulations. All preparation activities shall comply fully with the relevant Health & Safety at Work Act, especially with regard to the removal and disposal of asbestos based waste products.

Thoroughly clean and dry the joint. Use Isopropyl Alcohol as necessary. All debris must be removed prior to application. If the substrate is perforated, a flexible bandage may be introduced into the repair. Thoroughly clean and remove existing coatings from the gutter joint bolts.

Application of Seamsil 300

The application of SEAMSIL® to provide the sealed joint can be achieved by gun applying SEAMSIL® Sealant into the joint then immediately over coating with SEAMSIL® Basecoat.

Apply the SEAMSIL® Sealant, which should be gun applied into the joint to form a complete bridged seal.

Apply one coat of SEAMSIL® Basecoat to prepared surface to at least 25mm either side of Gutter Joint (including and encapsulating joint Bolts) to achieve a minimum DFT of 175 microns. The Basecoat should be applied before the sealant has cured (i.e. wet on wet). The combined effect of the Sealant and Basecoat must form a fillet between the abutting plates.

Where there is perforation of the Gutter Joint or where excessive sheet movement causes the sealed joint to split before full cure can be achieved, a polyester fleece may be introduced into the SEAMSIL® Basecoat. The fleece should be applied within 30 minutes of applying the Basecoat ensuring full contact is made over the whole profile. Brush or Roller can be used to ensure the fleece is fully wetted.



Application Notes

This information should be read in conjunction with the product Safety Data Sheets.

SEAMSIL® Products can be applied when metal surface temperatures range between + 3°C to + 60°C. At all times ensure that the surface to be treated is dry, clean and above the Dew Point.

SEAMSIL® Basecoat supplied for gutter joint repair (SEAMSIL® 300) is supplied ready to use and must not be thinned

Care must be taken not to disturb the uncured seal.

All swarf arising out of the metal preparation must be immediately brushed off the surface of the coating to avoid contamination of painted areas and existing surface coatings. Failure to remove the swarf could result in subsequent rust staining by the debris arising out of the metal preparation operation which is technically and aesthetically unacceptable.

Water trapped in the joint detail must be released before carrying out any joint sealing. All moisture must be removed and all surfaces should be clean and dry before applying any of the materials used for this treatment.

On no account must White Spirit be introduced into the application. This will adversely affect adhesion and invalidate the material guarantee.

Do not clean and prepare the surface using a soap detergent solution. This will leave a residual film and render adhesion impossible. Use only Isopropyl alcohol or GE SS4179 as a preparation agent.

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