TECHNOLOGY LTD.
Giromax

PRODUCT DATA & SPECIFICATION SHEET

ASBESTOS CEMENT SHEET

SEAMSIL® 400

MINOR REPAIR TO SHEETS & BOLTS

The SEAMSIL® 400 system is a silicone based remedial treatment designed to be used for sealing and encapsulating hook bolts and washers and repairing minor cracks in asbestos cement type roofing and cladding sheets.

SEAMSIL® uses proven GE Silicone technology, being unaffected by UV or extremes of weather and temperature and having exceptional adhesion to cleaned and prepared surfaces. It cures to provide a tough elastic seal, effectively encapsulating the damaged area to restrict further deterioration, demonstrating its proven track record in corrosion control.

All SEAMSIL® materials are formulated to be compatible with each other. Proprietary silicone products or other non-silicone mastics are however not the same and must 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.

Care should be taken at all times when working on roofs of a fragile nature and all work undertaken must comply with the relevant Health and Safety at Work procedures.

Product Data:

SEAMSIL® Sealant is an Alkoxy Curing one part silicone supplied in 310 ml cartridges to be gun applied into any visible crack and to be used to consolidate areas around corroded Hook Bolts prior to SEAMSIL® 400 Topcoat application.

SEAMSIL® Topcoat is a single component Alkoxy curing Sealant suspended within a solvent carrier supplied in 5 kg containers for brush application. It is normally supplied in Cement colour to match typical Asbestos type profiled roof.

Curing System:	Alkoxy	*Colour:*	Grey
Shore A (Approx.):	20	*ISO 9047:*	25
Tensile Strength:	1.6 N/mm²	*Full Cure:*	14 Days
Application Temp:	+3ºc/+60ºc	*Shelf Life:*	12 mths
Volume Solids:	80% (±2%)	*Specific Gravity:*	1.40
Movement Accom.	± 50%	*Break Elongation:*	700%
Temp.Resistance:	-50ºc/+100ºc		

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 3ºC
- Surface to be 2ºC above Dew Point.

Further Information:

For further information including Safety Data Sheets contact:

DELVEMADE LIMITED
Cutting Edge Technology

TECHNOLOGY LTD. Giromax
Eagle House, Bilton Way, Lutterworth Leics. LE17 4JA
Tel. +44 (0)1455 558969 Fax. +44 (0)1455 558787
Email: sales@giromax.co.uk Website: www.giromax.co.uk

Specification: Seamsil® 400

Issue	Revision	Date
1	Origination	Mar 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

Thoroughly clean Hook Bolts and fixings around the existing metal fixing to remove all loose and flaking rust. Remove any remnants of degraded washers or bolt caps together with any prior treatments, especially bitumen based compounds. Bolt threads may be cropped to ease SEAMSIL® application. Ensure surface to be treated is dry prior to any application.

Minor cracks on Asbestos Cement type sheets should be thoroughly cleaned to remove all loose and friable surface contaminants such as moss, algae and industrial grime. Remove all prior repair treatments especially bitumen based products. Ensure surface to be treated is both clean and dry.

Application of SEAMSIL® 400

- *Corroded Bolts and Fixings*

Gun apply SEAMSIL® Sealant around the base of the bolt thread, encapsulating any remaining washers consolidate the fixing point prior to over coating with SEAMSIL® 400 Topcoat.

Liberally apply one coat of SEAMSIL® 400 Topcoat before the Sealant has cured (i.e. wet on wet) to fully encapsulate and visually obscure the fixing detail.

- *Minor Cracks in Asbestos Cement Sheets*

Where necessary, apply SEAMSIL® 400 gun applied Sealant into the crack along its entire length, ensuring the product has, where practical, fully penetrated the visible crack.

Liberally apply one coat of SEAMSIL® 400 Topcoat, to achieve a developed thickness of approximately 200 microns.

If SEAMSIL® Sealant has been used to fill the gap, the SEAMSIL® 400 Topcoat should be applied within 30 minutes and may be used to brush out any excess sealant to prevent high edge build up and ensure effective run-off of surface water. It is essential that the product be applied in a minimum width band across the crack of at least 75mm wide, 37mm. either side of the crack and to a minimum dry thickness of 200 microns.

For more extensive cracks or small holes in the sheet, where bridging of the gap may prove more difficult, a polyester fleece can be applied at the same time as the SEAMSIL® 400 Topcoat.

The fleece should be of a non-woven flexible nature and be at least 50mm. wide. The fleece should be applied within 30 minutes of the SEAMSIL® 400 Topcoat; ensuring full contact is made over the whole profile. Brush or roller can be used to ensure the fleece is fully wetted.

Repaired areas subject to high movement may benefit from an additional coat of SEAMSIL® 400 Topcoat. In such cases, at least 24 hours should be left between coats and care should be taken not to disturb the first coat or crack the made joint. Ensure the surface is clean and dry prior to further application.

Glazing Bars

Thoroughly clean the existing lead covered or aluminium glazing bar to remove surface contamination and provide a clean dry surface. Liberally apply one coat of SEAMSIL® 400 Topcoat to prepared bar, ensuring the materials also cover at least 13mm. of the adjacent glass panels. Allow at least 24 hours and then liberally apply a further coat of SEAMSIL® Topcoat.

A flexible fleece membrane may also be incorporated into the Topcoat between applications for added strength to the joint.

Application Notes

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

SEAMSIL® 400 products are to be used as supplied and do not require thinning.

Care must be taken not to disturb the uncured seal.

All surfaces must 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.