

Delcote[®] architectural coating

Full roof coatings
20 year guarantee

System onto a Profiled Metal Roof

Preparation

Any roof sheets which are perished beyond structural safety should be removed and replaced with new. New Plastisol sheeting should be solvent wiped to remove residual plasticiser.

Loose coatings should be removed from the entire surface. Make sure not to miss areas around fixings, bolt penetrations and side laps.

The surface should be prepared to Swedish Standard ST2 by using hand held power tool's. No oil, grease or dirt, should be visible to the naked eye. All poorly adhered mill scale, rust, swarf, coatings and foreign matter, must be removed (passivate (T-wash) unweathered or shiny galvanised substrates with suitable mordant solution).

Removal may be actioned by utilising a pressure washer fitted with a rotating spinning head capable of delivering a minimum of 3000 psi.

An adhesion test should be carried out to any remaining well adhered coatings.

Note: Do not at any time clean the surface with soap detergent. This action would leave a residual film and may adversely affect adhesion.

Check existing overlaps for excessive movement and insert additional fixings as necessary.

If the gap between the sheet is greater than 5mm a stitcher screw or rivet should be used to close the sheets together.

When leaving fixings in-situ

Check the integrity of the existing fixings. Perished fixings should be replaced in accordance with recommended standards. Any plastic caps that are not integral should be removed. Loose fixings should be tightened. Remove All remaining fixings should then be treat as per roof sheet edges to receive Seamsil Base Coat.

When replacing fixings

Please consult Sharmans Technical Services.

Additional Preparation for Areas of Cut Edge Corrosion

For areas where cut edge corrosion is present, please refer to the Seamsil 100 Cut Edge Corrosion System Specification and the relevant Product Data Sheets.

Ensure all surfaces to be treated are dry before the application of Seamsil products.

Seamsil Sealant

At Overlaps

The Seamsil Sealant is gun-applied into the gap between the upper and lower roof sheets, as close to the edge of the upper sheet as possible, forming a complete bridged seal. Whilst the Seamsil Sealant is still wet, apply the Seamsil Base Coat as below to form a fillet and visually obscure the leading edge of the top sheet.

The Seamsil system may also need to be used on the vertical lap joints if the roof suffers from water ingress due to incorrect lap formation.

Note: This is an outline specification for the general application of this system. For a bespoke specification to deal with site complexities, please contact us.



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Seamsil Base Coat

All Edges

The area to be treated should be at least 25mm from the edge of the roof sheet or either side of the overlap and a further 10mm beyond the prepared feathered metal where necessary.

For the best finish, the coating should be applied in a straight line. To aid this, a pencil line or a straight edge can be used.

At Overlaps

Apply Seamsil Base Coat by brush at a minimum wet film thickness of 220 microns. Work in a smooth upward motion ensuring complete coverage of all exposed and prepared metal. Allow to cure.

At all other edges

Apply Seamsil Base Coat by brush at a minimum wet film thickness of 220 microns to both the top and the underside of the sheet. Work in a smooth upward motion ensuring complete coverage of all exposed and prepared metal. Allow to cure.

At Fixings

Brush apply one coat of Seamsil Base Coat to fully encapsulate the roof fixings, ensuring complete coverage of all exposed and prepared steelwork. Allow at least four hours to cure which may vary with weather conditions.

Seamsil Base Coat may be thinned by up to 5% to ease application. Use only Seamsil thinners T514.

Delglaze (where applicable)

For rooflights being coated using Delglaze, please refer to the Delglaze System Specification and the relevant Product Data Sheets.

When using Delglaze in conjunction with Delcote, ensure that the Delglaze is carried out first and that the rooflights are then masked off in a safe manner to prevent overspray.

Delcote Base Coat Ensure Seamsil treatment is touch dry.

Utilising spray, roller or brush apply a first coat of Delcote to the prepared, clean & dry, structurally sound surfaces at a wet film thickness of 154 microns and allow to fully cure.

When spraying, use the criss-cross or cross-spray technique without runs. Spray guidelines are available upon request.

Delcote Top Coat All roof areas

Once the base coat is tack free (overnight cure is recommended), apply a second coat in a contrasting shade at a wet film thickness of 154 microns and allow to fully cure.

The Completed System Dry Film Thickness:

Roof Sheets: minimum 185 microns
Overlaps and End Laps minimum 360 microns



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Application Notes

Note: White Spirit is strictly not to be introduced into the application system. This will adversely affect adhesion and invalidate the material guarantee.

With the exception of Seamsil Topcoat, Seamsil may be thinned by up to 5% to ease application. Use only Seamsil thinners T514.

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 to avoid contamination of coated 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.

At all times ensure that the surface to be treated is dry, clean and that the air temperature is above dew point and on a rising thermometer.

Always allow for expanded sheet profile, when estimating material quantities.

The installing contractor must be fully trained in the use of Sharmans coatings.

It is the contractors' responsibility to inspect each section of the application to ensure the correct measures and steps outlined in this specification document are applied.

Coverage rates are for guidance purposes only.

Disclaimer:

The information, and, in particular, the recommendations relating to the application and end-use of products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, unless from any written recommendations, or from any other advice offered by HD Sharman. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request.

HD Sharman Ltd.
High Peak Works
Chapel-en-le-Frith
High Peak, Derbyshire
SK23 0HW

T. 01298 812371
F. 01298 812237
E. info@hdsharman.co.uk
W. hdsharman.co.uk



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