



## Delcote®

### System onto a Profiled Metal Roof

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**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.

#### 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 and power tool cleaning. No oil, grease and 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 minimum 3000 psi.

Thoroughly clean any existing rooflights ensuring they are free from grease, fungus and mould growth.

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

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

Fixings to be thoroughly cleaned 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.

Check the integrity of the existing fixings. Perished fixings should be replaced in accordance with recommended standards. Loose fixings should be tightened and cropped if necessary the leave a smooth finish.

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

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

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

#### Additional Preparation for Areas of Cut Edge Corrosion

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

#### Seamsil Sealant

##### At Overlaps

Dry the lap using a mechanically driven blower ensuring the area between the sheets is thoroughly dry.

The Seamsil Sealant is gun-applied into the gap between the upper and lower roof sheets forming a complete bridged seal and tool off to a neat edge.

##### At Fixings

Gun apply Seamsil Sealant and the brush apply one coat of Seamsil Top 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

**(Where cut edge corrosion is present only)**

##### 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.





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For the best finish, the coating should be applied in a straight line. To achieve this, the area should be masked off using a suitable tape to prevent overcoating onto the metal sheet.

In situations where it may be difficult to achieve a full seal, a polyester fleece can be introduced into the Seamsil Basecoat. The fleece should be installed within 30 minutes of applying the Seamsil ensuring full contact is made over the whole profile. Make sure the fleece is fully 'wetted' into the Basecoat with a brush or roller.

#### 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 125 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.

#### 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 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 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 Edges

Once the base coat is tack free (usually within 2 hours), apply a second coat in a contrasting shade at a wet film thickness of 154 microns and allow to fully cure.

A dry film thickness of at least 200 microns, must be achieved.

#### Application Notes

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

Care must be taken not to disturb the uncured seal of the Seamsil Sealant. 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.

**Coverage rates are for guidance purposes only.**

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#### 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.

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