

# Delcote®10 architectural coating

Full roof coatings  
**10 year guarantee**

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## Profiled Metal Roof

### Preparation

#### Roof Sheets

**Any roof sheets which are deemed structurally unsound should be removed and replaced with. New PVC coated sheeting should be solvent wiped to remove residual plasticizer.**

Dirt, moss, surface growth, contamination, loose coatings and all previously applied non compatible coatings, should be removed from the entire area to be coated. Make sure not to miss areas around fixings, penetrations and side laps.

To facilitate preparation and cleaning, **a pressure washer fitted with a rotating spinning head capable of delivering a minimum of 3000 psi is required.**

The surface should be prepared to Swedish Standard ST2 - back to base substrate, clean and dry. No oil, grease or dirt, should be visible to the naked eye. All poorly adhered mill scale, rust, swarf, coatings and all previously applied non compatible coatings **must** be removed.

**Passivate (T-wash) unweathered or shiny galvanised substrates with suitable mordant solution.**

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

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

Ensure all surfaces to be treated are dry by using a mechanically driven leaf blower before the application of Sharmans products.

**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.



### Sheet Cut Edges

Check existing overlaps for excessive movement and insert additional fixings as necessary. If the gap between the sheets is greater than 5mm a stitcher screw or rivet should be used to close the sheets together.

Where there are small perforations (up to 15mm in diameter) in the areas to be treated, Seamsil® Sealant can be gunned into the hole and tooled off to a smooth edge. Any perforations larger than this can be cut away provided this doesn't affect the structural integrity of the affected sheet, or can be covered by riveting a metal plate into place sealing the edges using Seamsil® as below (overlap).

Loose and flaking coatings should be removed to make a sound feathered edge.

Remove all rust and white (zinc) salts and all previously applied non compatible coatings, by thoroughly cleaning/ abrading to Swedish Standard ST3 (back to bare metal), using a powered mechanical aid ie angle grinder with a grinding disk or heavy duty knotted wire wheel. Ensure the surface is fully keyed and not polished.

All debris, including any grinding swarf and non adherent staining must be removed prior to application.

Ensure all surfaces including between overlaps, are dry by using a mechanically driven leaf blower before the application of Sharmans products.

Thoroughly clean the surface using Isopropyl Alcohol only.

### Sheet Fixings

Check the integrity of the existing fixings. Suspect fixings should be replaced in accordance with recommended standards. Any plastic caps that are not integral should be removed. Loose fixings should be tightened. All fixings should then be treated with Seamsil® as detailed below.

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### Product Application

#### Sharmans Barrier Primer - (Where Applicable)

Bitumen and other volatile materials must be removed. Any remaining residue must be primed with Sharmans Barrier Primer as follows:

Thoroughly mix parts A and B in a 1:1 ratio.

Apply by brush at a wet film thickness of 157 microns and leave to dry to a tack free state.

#### Seamsil® Sealant

#### To Overlaps, Ridge / Flashing Joints & Tops Of Rooflights

Seamsil® Sealant is gun-applied 8-10mm diameter to encapsulate the lap between the upper and lower roof sheets, as close to the edge of the upper sheet as possible, forming a complete bridged seal.

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

#### Seamsil® Base Coat

Seamsil® base coat should be applied at a minimum of 25mm above the edge of the roof sheet or either side of the overlap. Where applicable a further 10mm beyond the prepared exposed metal to ensure complete coverage.

Seamsil basecoat may be thinned using Sharmans T514 thinners if required to a maximum of 10% added little and often.

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

### At Overlaps

Whilst the Seamsil® Sealant is still wet, apply Seamsil® Base Coat by brush at a minimum wet film thickness of 220 microns. Work in a smooth upward motion over the sealant, ensuring complete coverage of all exposed and prepared metal. Allow to cure to a tack free state.

The finished Seamsil® treatment must form a fillet across the joint that visually obscures the leading edge of the top sheet.

### At sheet eaves (tail line)

Apply Seamsil® Base Coat by brush at a minimum wet film thickness of 220 microns, ensuring complete coverage of all exposed and prepared metal, and encapsulating the sheet edge. Allow to cure to a tack free state.

### At Metal Roof Sheet Fixings - (2 Methods)

Seamsil® Base Coat (Method 1)

#### Recommended for roof pitches above 25°

Brush apply one liberal coat of Seamsil® base coat over and around the roof fixings, ensuring a full encapsulation is achieved. Allow to cure to a tack free state.

OR

Seamsil® Fixing Grade Sealant (Method 2)

Place nozzle over the fixing, ensuring it is flat and level to the roof sheet. Squeeze the trigger ensuring that the required amount of sealant dispenses to encapsulate the fixing. Allow to cure to a tack free state.

### 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 Delcote®, treatment is carried out first, and that the rooflights are then suitably covered in a safe manner to prevent overspray.

### Delcote® 10 single coat

### All roof areas

#### Ensure Seamsil® treatment is tack free.

Spray, roller or brush, apply one coat of Delcote® to the prepared, clean & dry, structurally sound surfaces at a minimum wet film thickness of 250 microns and allow to fully cure.

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

### The Completed System Dry Film Thickness:

Roof Sheets:	minimum 150 microns
Overlaps and Sheet eaves:	minimum 325 microns



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### Application Notes

At all times ensure that the surface to be treated is clean and dry.

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.

Seamsil® base coat may be thinned by up to 10% to ease application. Only use Seamsil® thinners T514.

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

Delcote® is supplied ready to use and does not require thinning. The introduction of additional thinning will invalidate the material guarantee.

Use Line Cleaner T503 to flush lines. Do not use Line Cleaner as thinners.

Care must be taken not to disturb the uncured Seamsil® seal to the sheet joints once applied.

If there are any areas applied at below minimum thickness, allow previous coat to cure until tack free state is achieved before applying further coats.

Curing times will vary with weather conditions. Refer to product data sheets.

Application air temperature must be above 3°C and rising.

Application surface temperature must be 2°C above dew point.

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.

**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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