

Delcote[®]10 architectural coating

Full roof coatings
10 year guarantee

Profiled Metal Roof

Preparation

Roof Sheets

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

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

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

The surface where required should be prepared to Swedish Standard ST2 by using hand held power tools. 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.

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.

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

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.

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

Remove all rust and white (zinc) salts, by thoroughly cleaning/ abrading to Swedish Standard ST3. 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.

Dry the substrate using a mechanically driven leaf blower.

Thoroughly clean the surface using Isopropyl Alcohol.

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 remaining fixings should then be treated with Seamsil[®] Base Coat as detailed below.

When Replacing Fixings

Please consult Sharmans Technical Services.

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.



sharmans
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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 together (do not part mix).

Apply by brush at a wet film thickness of 157 microns (6m²/litre) and leave to dry to a tack free state.

Seamsil® Sealant

To Overlaps, Ridge / Flashing Joints & Tops Of Rooflights

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.

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 least 25mm above the edge of the roof sheet or either side of the overlap, and where applicable a further 10mm beyond the prepared exposed metal to ensure complete coverage.

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.

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



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.

At All Other edges

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)

Brush apply one liberal coat of Seamsil® Top Coat over and around the roof fixings, ensuring a full encapsulation is achieved, especially at the base. Allow to fully cure.

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 required amount of sealant dispenses to encapsulate the fixing.

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

Delcote® Single Coat

All roof areas

Ensure Seamsil® treatment is tack free.

Utilising spray, roller or brush, apply one coat of Delcote® to the prepared, clean & dry, structurally sound surfaces at a 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 End Laps:	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 5% 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.

Allow each coat to cure until a 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.

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 Sharman's 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.

Product 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.

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