



PROFILED WALL CLADDING

DELCOTE®

ARCHITECTURAL COATING

DELCOTE® Architectural Coating is a single component, silicone coating for the re-painting and weatherproofing of existing PVC, Pvf₂ and similar coated metal roofing & cladding where a standard 200 micron application will provide protection equal or better than the original product.

DELCOTE® Architectural Coating is a silicone based remedial treatment, especially formulated to arrest the adverse effects of rust and chemical corrosion, industrial pollution and of coastal and marine locations. Unlike most organic coatings,

DELCOTE® Architectural Coating does not degrade by chalking and consequently does not have the “self cleaning” properties lesser products have as they progressively erode. Any subsequent soiling of the product can be easily removed by a simple detergent wash.

Contractor Qualifications

The contractor who installs the DELCOTE® Architectural Coating System must, if spraying, be fully trained in the use of airless spray technology.

It is the contractors’ responsibility to inspect each section of the works to ensure that the correct steps have been taken as outlined in this specification document.

Giromax Technology Ltd. will arrange an inspection of the DELCOTE® works to monitor specification compliance and to assist the contractor. Typical inspections include DFT readings, adhesion testing and overall neatness and appearance.

The information contained herewith is provided as a general guide in good faith, but without responsibility for use of the product outside Giromax control. Users should undertake their own tests to determine product suitability. Individual project specifications can be produced following site inspection and assessment by Giromax Technology Ltd.

Product Data:

DELCOTE® is an elastomeric, one component, silicone coating in a spirit carrier, supplied for spray, brush or roller in 25 kg drums and available in most cladding colours.

<i>Curing System:</i>	Neutral	<i>Colour:</i>	Various
<i>Shore A (Approx.):</i>	32	<i>Viscosity:</i>	9000 cps
<i>Tensile Strength:</i>	200 psi	<i>Tack Free:</i>	2 Hours
<i>Application Temp:</i>	+3°C/+60°C	<i>Full Cure:</i>	7/10 Days
<i>Solids by Volume:</i>	65% (±2%)	<i>Density:</i>	10.45 lbs/g
<i>Solids by Weight:</i>	80% (±2%)	<i>Break Elongation:</i>	400%
<i>Temp. Resistance:</i>	-50°C/+100°C	<i>Shelf Life:</i>	12 mths

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 3°C
- Surface to be 2°C above Dew Point.

Further Information:

For further information including Safety Data Sheets contact:



Specification: **Delcote**® (Wall Cladding)

Issue	Revision	Date
1	Origination	Apr 1994
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

Remove all loose and peeling existing coatings over entire surface. Chemical stripping and power jetting equipment fitted with a rotating spinning head delivering minimum 3000 psi may be considered to remove poorly adherent coatings.

Prepare the surface to Swedish Standard ST2. This can be achieved by hand and power tool cleaning, such as scraping, wire brushing, machine brushing or grinding. When viewed without magnification, the surface shall be free from visible oil, grease and dirt, and from poorly adhering mill scale, rust, swarf, coatings and foreign matter. Ensure the surface to be treated is clean, dry and any remaining paint finishes are firmly adhered to the substrate. Ensure no soap solutions are used in the cleaning process.

On new Plastisol of less than one year old, remove any residual plasticiser by wiping with white spirits. Allow to evaporate and ensure surface is clean and dry.

- *Sheet Edges*

If the bottom of the cladding sheets is experiencing significant corrosion, remove coating to a firm feathered edge. Remove rust and white salts by very thorough cleaning (abrading) to Swedish Standard ST3 to a keyed surface then apply one coat of SEAMSIL® Basecoat to a minimum DFT of 100 Microns.

- *Sheet Fixings*

Remove all fixings caps wherever practical before DELCOTE® Architectural Coating application.

Application of DELCOTE®

On completion of all preparation and treatment apply DELCOTE® to all prepared surfaces. Firmly adhered existing coatings such as PVC Plastisol or Pvf₂ will normally require a minimum finished dry film thickness of 200 microns. This may vary depending on individual project requirements based on prior assessment and approval by Giromax Technology Ltd.

Surfaces prepared to bare metal substrate must always receive a minimum dry film thickness of 200 microns.

Application Notes

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

DELCOTE® may be applied by spraying, rolling or brushing to clean, dry, structurally sound surfaces. However, due to its high viscosity, DELCOTE® should always be spray applied to profiled metal cladding to achieve an acceptable aesthetic finish.

The criss-cross or cross-spray technique should be used without runs. Spray application guidelines are available on request.

DELCOTE® is normally applied in two coats in contrasting colours. This may vary with individual projects and one or multiple coats may be required depending on the prior assessment by and approval of Giromax Technology Ltd.

The product should be applied as it is received. Additional dilution with solvent is not necessary and should not be undertaken. Clean up of equipment may be achieved by flushing with mineral spirits. The product should not be left in the equipment or lines for extended periods unless the seals are of Teflon.

Ensure all existing poorly adherent coatings are removed especially around fixings and penetrations. For large areas of firmly adherent coatings, feather edge to neat clean line, or preferably choose a line coincident to a fixed sheet edge.

Ensure all surfaces are thoroughly clean and dry especially those surfaces having been exposed to chemical stripper. Ensure that those areas are neutralised according to the manufacturers' instructions and that all stripper residue is completely removed prior to any DELCOTE® application

Avoid overspray by masking adjacent surfaces or restricting operations to wind speeds of less than 15 mph. A tack free condition will usually take at least one hour at 21°C. Lower temperatures will require more time between coats and applications risk the possibility of dew or frost and extended drying time. Full curing will usually take 7/10 days and can be verified by the absence of solvent odour.

Remove all swarf arising out of the metal preparation ASAP to avoid contamination of painted areas.

Do not clean the surface using a soap detergent solution. This will leave a residual film and render adhesion impossible.