

TECHNICAL DATA SHEET

Cut Edge Corrosion System

Reference	SWT Corrosion Primer	Flexlap
Purpose/Uses	Surface and wet tolerant primer for use with Liquasil polymers	Cut Edge Corrosion Treatment
Colour	Grey	Goosewing Grey plus RAL Colour Range
Application	Brush or Roller	Apply by Brush, Roller
Volume Solids	100%	100%
Recommended Film Thickness	@120um Heavily rusted or pitted surfaces may require 2 or more coats	350-500 microns
Coverage Rate	Approx 40 linear metres @ 150mm bandwidth per litre Coverage rates are calculated in laboratory conditions. Site conditions may vary	Approx 60 linear metres @ 150mm band thickness per litre
Drying Time	Allow 6-24 hours drying time	Rain free - c 4 hours Thoroughly dry- 16 hours. Full cure 7 days
Thinners/Brush wash	Use Sacrificial Brushes	Xylene
Weight per Litre	2.6	0.98 kg
Flash Point	> 100° C	Above 32° C
V.O.C.	V.O.C. Free	V.O.C. Free
Finish	Matt	Semi Gloss
Application Temperature	5° C to 40° C (Optimum 15° C to 30° C)	-5° C +60° C
Considerations	Keep tins cool and shaded in summer. Keep tins warm in winter. Thoroughly stir Part A before mixing. Do not split packs.	
Approvals	BBA Certification	
Surface Preparation	Remove existing or factory finishes and prepare to bare metal ST3 standard. (non-shiny)	All surfaces must be solvent-cleaned and thoroughly dry, particularly at joints.

FOR PROFESSIONAL USE ONLY

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Cut Edge Corrosion System

LIQUID ROOFING SOLUTIONS

Application Method

Cut Edge Corrosion System

Liquasil does not normally recommend the sealing of overlapping roof sheets, nor treatment to the bottom roof sheets where no corrosion exists. If corrosion affects bottom sheets, or you are replacing an existing cut edge corrosion treatment, additional components will be required.

- Remove existing finishes and prepare to bare metal (ST3 Standard, non-shiny) in a straight line, including profile crowns, webs and troughs. Feather-in edges of existing / factory finishes. Surface rust (gingering) may remain.
- Apply a single coat of Liquasil SWT Corrosion Primer to the prepared area at a film thickness of 120 microns, extend coating 25mm above highest point of corrosion. Allow to cure.
- Clean primed surfaces with Liquasil Solvent Wipe and apply Flexlap silicone top coat at a wet film thickness of 350 –500 microns, extending 25mm above previously primed areas.
- Surfaces must be bone-dry during application. If rain occurs, stop coating work immediately. The surface of the Flexlap may become pitted when rained upon, so examine coated surfaces for pitting and overcoat as necessary when dry, ensuring the surface is clean and bone-dry.



Preparation



Primer Applied



Completed Installation

Corrosion Primer – Important Notes

- The SWT Primer is a two-part epoxy comprising the primer (part A) and the hardener (part B)
- Part B is corrosive. Operatives must wear suitable PPE when handling.
- Using a small paddle mixer, thoroughly stir the contents of the tin (Part A)
- Carefully and thoroughly stir one bottle of activator (Part B) into the tin of primer (Part A) using a paddle mixer. Stir for two minutes until product has creamy consistency.
- DO NOT SPLIT PACKS - Mix one bottle of activator into one tin of primer. Splitting packs will result in non-curing of product.
- Pot life is up to 3 hours depending on temperature.
- Store in cool conditions and avoid direct sunlight.
- Once the contents are mixed, they can be decanted.
- Stir continuously during use.

The primer can be installed on wet or damp surfaces, but will need more working with the brush. For ease of application, loosely towel dry the area to be treated to remove excess water.

Drying time is approx. 4 hours at 15°C and up to 24 hours curing time.

Over-coating time is unlimited, but use Liquasil Solvent Wipe to clean primed surface before applying top coat.

Please refer to relevant MSDS sheets for further information.

The above instructions assume that no rust / rot is present to the bottom roof sheets where overlaps occur.

Non-Standard Installations

If an existing cut edge corrosion system is present, it must be fully removed, with surfaces prepared back to bare metal.

Follow priming instructions above. At mid-laps, prime both top and bottom sheets.

SEALING MID-LAP JOINTS:

Apply Liquasil HP Butyl Tape over mid-lap joint, ensuring no air pockets or creases are present. Use penny rollers to push tape into details.

Overcoat HP Butyl Tape immediately with Flexlap, extending 25mm top and bottom, beyond the highest / lowest line of primer.

Note: Sealing mid-lap joints can result in moisture becoming trapped internally, between the upper and lower roof sheets.

This can result in underside corrosion and other defects, so sealing mid-lap joints is not typically recommended.

