



ROOFING PROGRAMME

# Profiled Metal Sheet Cut Edge Repair

DriSilane® RePair is designed to treat and protect the weather side cut edge of structurally sound profiled steel roof sheeting.



## What's included

DriSilane® Repair adopts the industry standard specification to retard this progression at the sheet edge and by encapsulation of the end-lap to exclude and prevent water being held at the lap edge, where it can trigger reverse side corrosion.

## What's not included

RePair is not designed to treat roof leaks - use DriSilane® ReSeal, which is designed to reinstate weather seals at key roof areas and includes full cut edge corrosion treatment.

## Industry Standard Treatment

Sheet edge corrosion can arise due to normal weathering. Its progression corresponds with contact with water. When it's reached the purlin fixing, sheet replacement is required.

End laps are always weather sealed from new, with factory applied or site installed systems, and are never designed to release condensation, channel rainwater or 'breathe'.

Encapsulation of the end lap is designed to arrest further corrosion by eliminating capillary held water.

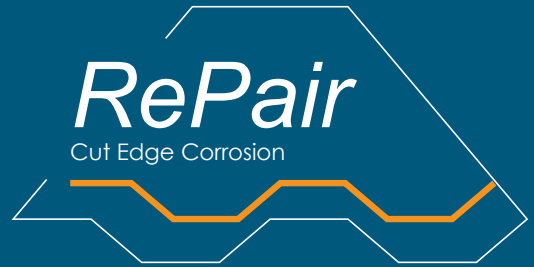
In adopting this treatment it is understood that installed roof components and seals remain effective. Any weaknesses may be addressed by the targeted use of DriSilane® ReSeal.

## DriSilane® Flex Sealer Coat

An advanced hybrid polymer coating that combines the high elasticity of silicone and mechanical strength of polyurethane to give continuous flexibility, adhesion, and durability.

## Key Features & Benefits

- Surface moisture tolerant one coat application.
- Excellent long term adhesion & corrosion control
- UV resistant and temperature stable.
- Resilient to bird damage, dirt pick-up & staining.
- 15 year performance warranty



0	Origination	Mar 2021
2	Revision	Mar 2023



## Specification benefits

- Treats & Prevents Edge Corrosion on profiled steel roofing
- Can be upgraded to DriSilane® ReSeal or ReRecovery specifications at any time



DriSilane® system products are supplied for professional use to skilled and experienced applicators throughout the UK and Ireland

Contact DriSilane® for a list of product stockists:

[sales@drisilane.com](mailto:sales@drisilane.com)  
[www.drisilane.com](http://www.drisilane.com)



**PRODUCT DATA**

**DriSilane® Prime: 2-part moisture tolerant epoxy Primer**

For use as: Metal surface primer coat.

Colour:	Dark Grey	Curing:	Catalyst
Application:	Brush, Roller	Vol Solids:	64%
Min/Max WFT:	100 /188 µm	Min/Max DFT:	64 /120 µm
m <sup>2</sup> (Max):	6 m <sup>2</sup> / Lt **	Lm (Max):	100 lm / Lt **
Air Temp. °c	Min. +5°C (and rising)	Max.	+35°C
Pot Life:	8 hrs *	Drying Time:	8 hrs *
Clean up:	Xylene	Availability:	1Lt, 2.5 Lt Kit

Instructions: Fully add (Activator) to (Base) and mix thoroughly before use. Do not make up part mix nor add thinner. Discard when mix thickens as pot life is reached.

**DriSilane® RS: 1-part moisture tolerant joint Sealant**

For use as: Roof panel side-lap & end-lap joint sealant

Colour:	Grey	Curing:	Moisture
Elongation:	340%	Mov Accom.	± 50%
Air Temp °c	Min. +5°C (and rising)	Max.	+35°C
Tooling Time:	30 min *	Tensile Strength:	2.6 N/mm <sup>2</sup>
Full Cure:	7-14 Days*	Availability:	600 ml Foil

**DriSilane® Flex: 1-part moisture tolerant sealer coat**

For use as: End-lap and sheet end sealer coat

Colour:	Various	Curing:	Moisture
Application:	Brush, Roller	Volume Solids:	90% (±2%)
Min. WFT:	300 µm	Min. DFT:	270 µm
Coverage Lm (75 mm band width)			30 lm / Lt **
Air Temp °c	Min. +5°C (and rising)	Max.	+35°C
Tack Free:	2 - 4 Hrs *	Full Cure:	7 Days *
Clean up:	Xylene	Availability:	2.5 Lt

Instructions: Always stir thoroughly before use. Do not thin.

\* Dependent on temperature. Do not apply if surface temperature is greater than +40°C

\*\* Practical coverage quoted, dependent on substrate texture & porosity, application method & technique.

**Product Delivery & Storage**

Materials shall be delivered in the manufacturer's original, tightly sealed containers and unopened packages, clearly labelled with the supplier's name, product identification, safety information, and batch numbers. Store containers tightly closed, in a cool, well ventilated, frost free area.

**SPECIFICATION**

This guideline specification is given in good faith, without prejudice or liability and may not be suitable in all circumstances. DriSilane® products are for professional use only. It is the users' responsibility to ensure that the steps outlined in this specification have been fulfilled and to have satisfied themselves of its suitability in meeting the exact project requirements.

**Surface Preparation (General)**

Prepared surfaces must be structurally sound and free from dirt, mould, loose and flaking coatings, moss and algae, oil, grease, ice and frost. Remove all visible sealants, prior treatments and debris. Prime existing PVDF (Pvf2) coatings with a suitable bonding primer.

**Preparation (Sheet Cut Edge Corrosion)**

Prepare substrate corrosion at steel panel cut edges to St3 standard of EN ISO 8501-1:2007. Do not polish. Feather edge firmly adhered adjacent coating. Remove non-adherent rust staining and swarf arising from the preparation.

**Application DriSilane® Prime**

Apply one coat to correct thickness to cover all exposed prepared metal, overlapping remaining feathered coating by at least 10mm. Over-coat when touch dry within 7 days. If exceeded, first lightly abrade and clean.

**Application DriSilane® RS - DriSilane® Flex**

Seal steel sheet end-laps including above rooflights with DriSilane® RS sealant. Tool with one coat of DriSilane® Flex to obscure the lap edge and continue to apply to both sides of the lap in a continuous uniform band of min. 75 mm width that overlaps DriSilane® Prime by at least 10 mm.

Encapsulate all steel panel sheet ends with one coat of DriSilane® Flex in a continuous uniform band that overlaps DriSilane® Prime by at least 10 mm.

**Guidance Notes**

- Stir product thoroughly before use by manual or mechanical means. Protect open tins from moisture.
- Do not proceed with treatment to the end-lap if corrosion is evident beyond the primary fastener.
- Allow for sheet profile expansion when estimating.
- Remove excess water at end-laps before application.

**Application Conditions - See Product Data**

Do not apply product if heavy rain or overnight frost is expected.