



ROOFING PROGRAMME

# PV Panel Roof Preparation

Designed to prepare structurally sound profiled metal roof sheets for Photovoltaic (PV) panel installation.



Roof mounted PV panels can maximise the value potential of commercial properties. But, installation alone will not protect older profiled roofs from deterioration. Preparation is often required to secure long-term roof performance.

### What's included

DriSilane® RePower includes all sheet cut edge treatment plus targeted reinstatement of roof seals and fixings, followed where necessary by overall application of DriSilane® Elite roof coating.

### What's not included

Addressing water ingress due to, or arising from:

- Condensation or building design.
- Any roof detail not listed below e.g. penetrations, soakers or vents unless specified.

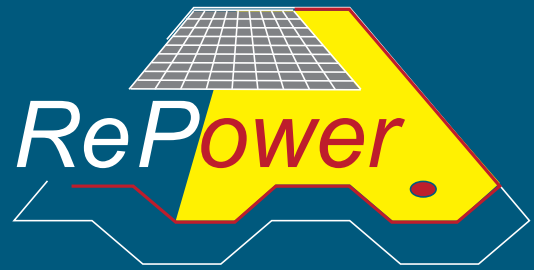
Detail	Cut Edge	Roof Seal	Coating
Flashing:	◆	●	
Fixings:		●	
Side Lap:		●	
End Lap:	◆	●	
Sheet End:	◆		
Roof Sheet:			▲

## DriSilane® Elite Roof Coating

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.
- Minimum 25 year performance warranty



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Origination  
Revision

Mar 2022



## Specification benefits

- Full / targeted roof repaint
- Seals reinstated to key roof details
- Full Cut Edge Corrosion treatment



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® Elite: 1-part Moisture Tolerant Coating**

For use as: Profiled Metal Roof Coating

Colour:	Various	Curing:	Moisture
Apply:	Spray, Brush, Roller	Vol. Solids:	84% (±2%)
Min. WFT:	300 µm	Min. DFT:	250 µm
Max. Coverage (Inc. Profile):	60 m <sup>2</sup> / Tin **	Tin Size:	18 Lt
Thinner:	Xylene	Line Clean:	Xylene
Air Temp °c	Min. +5°c (and rising)	Max.	+35°c
Tack Free:	2 - 4 Hrs *	Full Cure:	7 Days *

Instructions: Always stir thoroughly before use.

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

\*\* Dependent on substrate texture & porosity, application method & technique. Refer also to DriSilane spray guide.

**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 (Steel sheet corrosion & Fixings)**

Prepare sheet to St3 standard of EN ISO 8501-1:2007. Do not polish. Feather edge firmly adhered adjacent coating. Remove non-adherent rust staining and all swarf arising.

**Fixings:** Remove all non-moulded caps, degraded washers and loose bolt head corrosion. Re-tighten, or replace with approved, all loose or missing fixings.

Apply one coat of DriSilane® Prime to correct thickness to cover all exposed prepared steel and fixings. Overlap remaining feathered coating by at least 10mm. Overcoat when touch dry within 7 days. If exceeded, first lightly abrade and clean.

**Application (End-Lap, Side-Lap, Fixings, Flashings, Sheet)**

**Sheet end-lap (roof, rooflight & flashing)** - seal with DriSilane® RS. Neatly tool with DriSilane® Flex to obscure the lap edge and continue to apply to both sides of the lap in a continuous uniform band over-lapping applied DriSilane® Prime by at least 10 mm..

**Sheet side-lap (roof and rooflight)** - seal ridge to eave with an even bead of DriSilane® RS. Tool with DriSilane® Flex (see ReSeal for product data) to ensure full surface contact.

**Fixings** - encapsulate & fully surface seal with DriSilane® RS.

**Flashings** - If replacing, consider wider panels. Position in-fills, so as to be inaccessible to birds, secured top and bottom with DriSilane® RS. Seal fixings as described.

**Roof Sheet** - on completion of above, apply one coat of DriSilane® Elite to a min wet film thickness (WFT) of 300 µm.

**Application Notes (see also product data)**

- Protect open containers from moisture.
- Feather-edge adjacent firmly adherent coatings and coat within 24 hours to avoid further edge curl.
- Do not apply if heavy rain or overnight frost is expected.