

The revolutionary next generation Giromax® product range, brought to you by Giromax Technology Ltd. is the UK's premier range of moisture tolerant coatings for profiled roofs, gutters, rooflights & sidecladding.

GIROMAX® ROOFCOAT SYSTEM - METAL

Key benefits

- Fully moisture tolerant.
- One coat, same-day wash and apply.
- Cut edge treatment included.
- Resilient to bird damage.
- Resistant to dirt pick-up.
- BBA approved.
- 25 year system guarantee.



SYSTEM PRODUCT DATA

Giromax® Sealant

A one-part, moisture tolerant sealant, supplied in 310 ml tubes.

Used in the **Giromax® Roofcoat System specification** to seal panel to panel & rooflight top lap joints.

Product Technical Data

Curing System:	Moisture	Colour:	G/wing Grey
Elong. at Break:	340%	Move. Accom:	± 50%
		Tensile Strength:	2.6 N/mm ²
Application Temp:	(Ambient & Surface) +5°C & rising / +35°C		
Tooling Time:	30 min *	Full Cure:	7-14 Days *

Giromax® Basecoat

A two-part, moisture tolerant epoxy coating supplied in 1 Ltr and 2.5 Ltr kits of Part A (Base) and Part B (Activator) designed to be wholly (not part) mixed before use.

Used to treat substrate corrosion on the sheet panel and cut edges, and to encapsulate panel fixings.

Product Technical Data

Curing System:	2 Part - Catalyst	Colour:	Grey
Volume Solids:	79% (± 2%)	Application:	Brush, Roller
Min. WFT:	82 µm	Min. DFT:	65 µm
Max. WFT:	158 µm	Max. DFT:	125 µm
Application Temp:	(Ambient & Surface) +5°C & rising / +35°C		
Coverage (Lm@ 50mm wide):	150 Lm / Lt Kit ++	Pot Life:	8 Hrs *
Coverage (m ²):	8 m ² / Lt Kit ++	Drying Time:	8 Hrs *
Clean up with:	Giromax® Brush Cleaner		

Giromax® Roofcoat

A one-part, moisture tolerant, hybrid polymer coating supplied ready to use in 15 Ltr pails.

Used to provide a durable protective coating on profiled metal roofs.

Product Technical Data

Curing System:	1 Part - Moisture	Colour:	RAL Range
Application:	Brush, Roller & Spray	Min. WFT / DFT:	230 / 200 µm
Application Temp:	(Ambient & Surface) +5°C & rising / +35°C		
Coverage (m ²):	4 m ² / Lt ++	Tack Free:	2 - 4 Hrs *
Recoat minimum:	6 - 8 Hrs *	Full Cure:	7 Days *
Line Cleaner:	Giromax® Line Cleaner	Thinner (if Req.):	Giromax® Thinners
Brush / Roller:	Giromax® Brush Cleaner	Volume Solids:	87% (± 2%)

++ Approximate coverage, depending on: a) texture and porosity of substrate, b) application method and technique
* Dependent on temperature



Giromax® Roofcoat System is designed to reinstate long term protection to the weather side of structurally sound profiled metal roof sheeting.

This 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.

LIMITS OF USE

This specification is **not suitable for Galbestos** - contact Giromax Technology for specification guidance.

PREPARATION A - (Surface Cleaning)

Surfaces to be treated must be free from dirt, mould, oil & grease, ice and frost. Pressure wash sheet surface at a minimum 3000 psi using a rotating turbo nozzle, supplemented with mechanical and manual means to clean substrate and remove all weakly adhered coatings (either visually obvious or as determined by a St. Andrew's Cross cut test) to a firm feathered edge. Include the sheet edge, fixings and side laps. Remove sheet fixing caps whenever practicable. **Some coatings require complete removal - contact Giromax Technology for further guidance if unsure.**

PREPARATION B - (Substrate Corrosion)

Remove all sheet and cut edge corrosion to ST3 standard of EN ISO 8501-1:2007 using rust scrapers, abrasion methods etc. Ensure surface is not polished. Remove non-adherent rust staining, & swarf arising from the preparation. Wipe down with Giromax® Panel Wipe.

APPLICATION - STEP 1: Giromax® Basecoat

Wholly pour Part B (Activator) into Part A and mix thoroughly. Do not part mix. Brush or roller apply one coat Giromax® Basecoat to the correct film thickness to the following roof details, prepared as above:

- **Cut Edges** - Apply to all sheet cut edges, in a continuous uniform line that overlaps the firm feathered edge of remaining coatings by at least 10mm. Ensure edge is encapsulated.
- **Roof Sheet** - Patch prime any areas prepared as in B. above. Lap sound zinc by at least 50mm. Fully prime Pvf2 (PVDF) & Polyester coated roof sheets - contact Giromax Technology for further guidance on degree of corrosion treatment required.
- **Roof Fixings** - Brush apply one coat of Giromax® Basecoat to encapsulate and fully seal sheet fixings to roof sheet.

Do not add thinner. Do not use when the pot life has been exceeded. Clean after prolonged periods between application steps using 320 grade abrasive paper and Giromax Panel Wipe as appropriate. Allow to reach a touch dry state before over-coating. See also **Environmental Conditions**.

APPLICATION - STEP 2: Giromax® Sealant

Gun apply Giromax® Sealant to the overlap joint of roof sheets, flashings & above rooflights, in a continuous line. Tool using Giromax Thinner to achieve a smooth fillet that encapsulates and visually obscures the leading edge of the top sheet.

APPLICATION - STEP 3: Giromax® Roofcoat

On completion of steps 1 & 2, brush, roller or spray apply one coat of Giromax® Roofcoat to a minimum dry film thickness (DFT) of 200 microns (µm).

GUIDANCE & APPLICATION NOTES

- Feather-edge firmly adherent coatings and coat within 24 hours to avoid further edge curl.
- To ease application to the cut edge, remove excess water held at the overlaps using a powered blower.
- Overcoat Giromax® Basecoat within 7 days. If exceeded, lightly key with 320 grade abrasive paper.
- Giromax® Roofcoat is supplied ready to use. Stir thoroughly before use by manual or mechanical means. Thinning is not normally required & not at all at temperatures above 10°C. If thinning is required, use ONLY Giromax® Thinner.
- Moisture in spray lines will accelerate cure. Fully flush lines and equipment using ONLY Giromax® Line Cleaner. Protect opened tins from rain and humidity. See also Giromax® Roofcoat **Guideline Spray Advice** sheet.
- Coverage rates are based on theoretical usage and are given for guidance only. When estimating, allow for expanded sheet profile.

ENVIRONMENTAL CONDITIONS

Surfaces must above +4°C and be ice and frost free. Do not apply Giromax® Roofcoat if heavy rain or hail is imminent.

DELIVERY & STORAGE

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

CONTRACTOR QUALIFICATIONS & OBLIGATIONS

The contractor must be trained in the application of Giromax® systems. It is the contractors' responsibility to ensure that the steps outlined in this specification have been fulfilled and to have satisfied themselves of system suitability in meeting the exact project requirements.



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