PROGRP

Flexiglass

GRP multi surface overlay

STYRENE FREE

APPLICATION GUIDE

10 YEAR WARRANTY

20 YEAR WARRANTY



CROMAR Building Products

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INTRODUCTION

Cromar Flexiglass primer-encapsulating overlay system is a revolutonary addition to the Cromar range of liquid applied roofing products. Designed to work on a variety of existing roof surfaces, providing a hard wearing and rapid curing solution.

Benefits:

- Styrene free
- Overlay resin system
- High flex resin properties
- Rapid cure system

Applications:

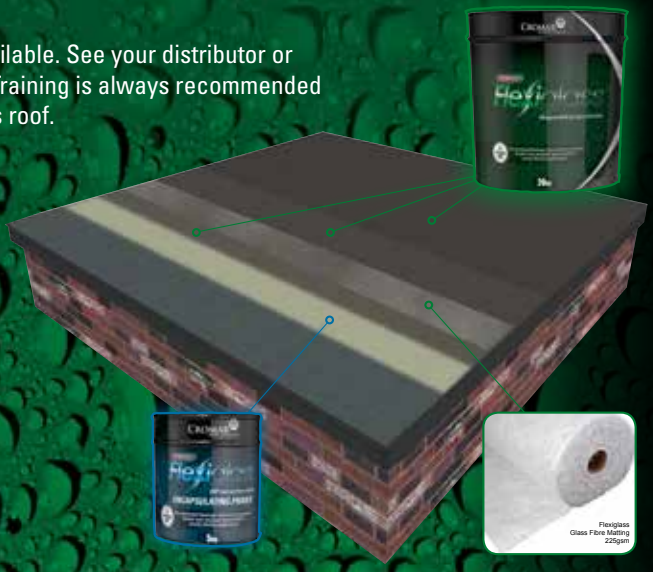
- Roofing Felt
- Asphalt
- Single ply membranes
- Metals
- Existing liquid applied systems

TRAINING

Merchant site training is available. See your distributor or Cromar website for details. Training is always recommended before installing a Flexiglass roof.

10 YEAR WARRANTY

20 YEAR WARRANTY



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PRIMARY COMPONENTS

FLEXIGLASS
20kg

FLEXIGLASS ENCAPSULATING PRIMER
5kg

FLEXIGLASS CATALYST
1kg and 5 kg

CHOPPED STRAND MATTING
225gsm

GRP EDGE TRIMS
Pre-formed in 3m lengths



ANCILLARY COMPONENTS

ACETONE
For Trim and when required preparation of primer and Flexiglass surface.

TRIM ADHESIVE
For ensuring correct fixing of trims.

FLEXI TEX SEAM TAPE
For bandaging trim to roof, cracks or splits in roofing material.

APPLICATION TOOLS

APPLICATION ROLLERS
(Frame and sleeve) 3", 7" and 9" wide for applying primer and Flexiglass resins (replacement sleeves available)



LAMINATING BRUSHES
1", 2"and 4" wide for application of primer, Flexiglass and moulding to shape in difficult to access areas. Also useful for Flexiglass detailing such as bottom lip of trims.



MIXING BUCKETS
For measuring primer and Flexiglass, mixing in Catalyst and transferring to roof surface.

DISPOSABLE NITRILE GLOVES
To protect hands when applying resins.

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ASSESSING THE ROOF

Is the roof viable for an overlay system?

- The roof must be sound and stable.
- Any movement of the substrate will need to be investigated and rectified.
- No ponding water.
- Not all liquid coatings can be overlayed succesfully, an adhesion test must be undertaken.

If you are in any doubt please contact our technical department on: 01977 663 133 for advise.

PREPARATION

Repair cracks, splits or areas of distress in the substrate.
The roof should be dry, free from dirt, moss, vegetation, and loose material/chippings.

A moss & mould remover should be used to clean the roof, if moss and vegetation are present.

It would be advisable to carry out an adhesion test irrespective of the surface to be covered. This would test the adhesion of the overlay system to the substrate.



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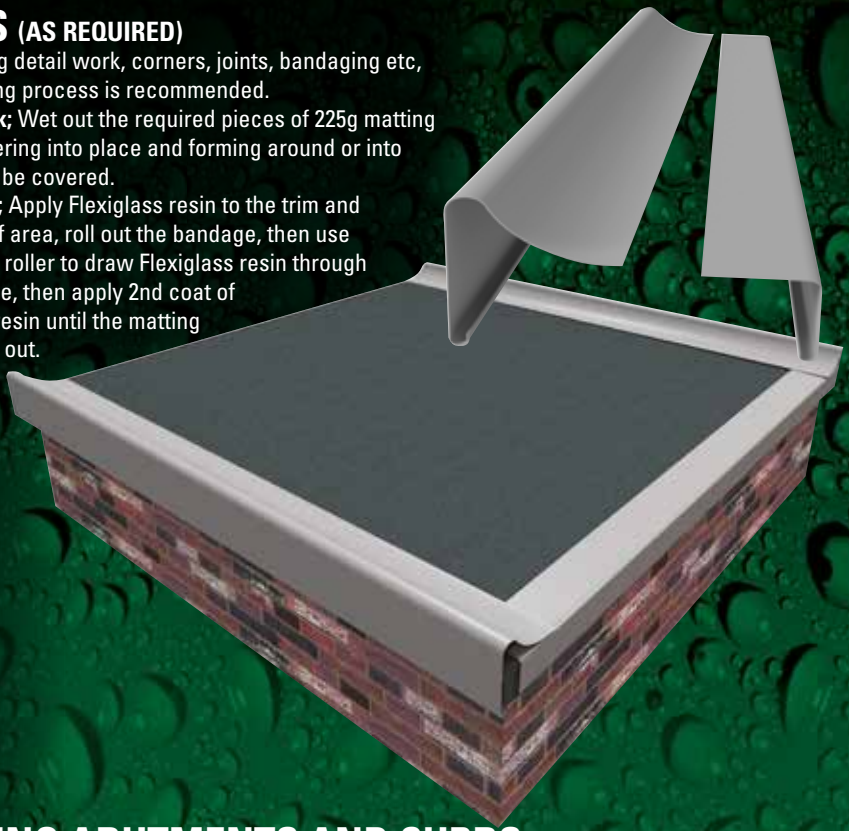
TRIMS (AS REQUIRED)

When doing detail work, corners, joints, bandaging etc, the following process is recommended.

Detail work; Wet out the required pieces of 225g matting prior to offering into place and forming around or into the area to be covered.

Bandaging; Apply Flexiglass resin to the trim and Primed roof area, roll out the bandage, then use application roller to draw Flexiglass resin through the bandage, then apply 2nd coat of Flexiglass resin until the matting has wetted out.



EXISTING ABUTMENTS AND CURBS (AS REQUIRED)

Trims should be added to existing curbs and abutments, with flashing fitted after the Flexiglass has cured.





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HEALTH AND SAFETY – MATERIALS HANDLING

When mixing/applying Flexiglass use:
- Hand protection (Nitrile gloves)
- Respiratory protection (dust mask)
- Eye protection (protective goggles/glasses) Additionally, we recommend that eyewash liquid (saline solution) is available in the event that resin splashes into eyes. If primer or Flexiglass splashes in the eyes, irrigate thoroughly with eyewash liquid or fresh water and consult a medical professional if irritation persists.
- HS G33



APPLICATION

• PRIMER APPLICATION

It is important that the products are mechanically stirred in the tin, prior to pouring into mixing buckets.
Add the required flexiglass catalyst (after shaking vigorously) and again stir thoroughly for a minimum of 2 minutes using a mixing paddle.
Once catalysed the flexiglass primer should be applied with a roller or brush at the recommeded coverage ratio 200-600g/m2, dependent on substrate. Once the membrane has cured and is trafficable, the roof should be inspected for defects.



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10 YEAR WARRANTY

FLEXIGLASS APPLICATION

Once the primer is fully cured Flexiglass Resin should be applied at an overall coverage rate of 1000g/m² - 1200g/m² to the clean and dry surface within the recommended temperature range.



1 Flexiglass resin is then applied to the primed surface using the coverage rates of: **400-600g/m².**



2 A layer of Flexiglass 225gsm matting is then rolled onto the flexiglass base layer, and consolidated using the application roller to help draw the base Flexiglass resin through the matting.

3 The remaining Flexiglass resin is then applied to the surface and worked into the matting, continue until the roof is covered.



Once the membrane has cured and is trafficable, the roof should be inspected for defects. **If any pin holes or sparsly covered areas are found, apply more Flexiglass to the affected areas.**

20 YEAR WARRANTY



4 ***For the 20 year warranty an additional coating would be applied at the rate of 500g/m²***

CATALYST RATES

Recommended catalyst addition rate based on temperature range.

	5 - 10˚C	10 - 15˚C	15 - 20˚C	20 - 25˚C
	5%	4%	3%	2%
	Pump Strokes	Pump Strokes	Pump Strokes	Pump Strokes
1.5 kg	3	2	2	1
3 kg	5	4	3	2
6 kg	11	9	6	4
9 kg	16	13	10	6
12 kg	21	17	13	10
15 kg	27	21	16	11
18 kg	33	26	20	13



COVERAGE RATES



ENCAPSULATING PRIMER
200-600 g/m²
Dependent on substrate

1ST LAYER OF FLEXIGLASS
400-600 g/m²
Dependent on substrate

10 YEAR WARRANTY

2ND LAYER OF FLEXIGLASS
400-600 g/m²
Dependent on substrate

20 YEAR WARRANTY

3RD LAYER OF FLEXIGLASS
500 g/m²
Dependent on substrate

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