



MARLEY WATERPROOFING POLIMAR WG

Solvent Based Flexible Roof Coating

INTRODUCTION

Polimar WG is a liquid applied high performance roof waterproofing system specifically designed to enable low temperature application and is suitable for most roof surfaces including asphalt, bituminous felt, asbestos cement, concrete and metal surfaces. Polimar WG is ideal for new roofs and the repair of existing felt and asphalt roofs.

DESCRIPTION

Polimar WG is a grey coloured viscous liquid formulated from flexibilised acrylic resin in combination with inert pigments and fillers. The Polimar WG system is a two coat system with Polimar GRF100 embedded into the first coat.

ACCESSORIES

Polimar GRF100 is a 100 g/m² glass reinforcement fleece which is embedded into the first coat of Polimar WG.

Polimar Bridging Tape is a bridging tape designed to be applied to wide joints (1mm+) or to joints where significant movement can be expected. Polimar Bridging Tape is applied before any coatings by removing the protective backing and pressing the tape down firmly so that it bridges the joint, ensuring that the edges of the tape are flush with the surface to be coated.

PACK SIZE

Product Name	Description	Product Code	Colour	Size
Polimar WG	Solvent based roof coating	700003	Mid Grey	20 litre
Polimar WG	Solvent based roof coating	700010	Light Grey	20 litre
Polimar GRF100	Glass reinforcement fleece 100gsm	700101	-	100 x 1 m
Polimar Bridging Tape	Bridging tape	700206	-	45 x 0.075 m

DURABILITY

The Polimar WG system is designed to give a minimum of 10 year protection.

MANUFACTURE

Polimar WG is produced under a closely controlled system which conforms to the requirements of ISO 9001. Each container clearly identifies the product name, product code, product amount and the supplier's name and address.

USES

Polimar WG is suitable for application as a system to most types of pitched, barrelled, flat and corrugated roofs as part of a complete roofing specification.

PHYSICAL PROPERTIES		
Physical Property	Method	Value
Drying and Cure times at 20 ⁰ C	-	Touch dry: 2-3 hours Thorough dry: 6-8 hours Minimum overcoating: 6-8 hours Full cure: 7 days NB: at lower temperatures the drying times and minimum overcoating times will be extended.
Volume solids	-	48
VOC	-	448 g/litre
Direct Pull Adhesion	ASTM D4541	28 kg/cm ² – concrete
Tensile strength	ASTM D412	6.85 N/mm ² (reinforced system)
Elongation	ASTM D412	40 %
UV Resistance	ASTM G53	Unaffected 1000 hours QUV-B
Fire Resistance	BS 476: Part 3:1958	EXT.F.AA for Reinforced System

FIRE

When incorporated according to a recommended roofing specification on an appropriate sub-structure, the fire properties of Polimar WG allow unrestricted use under current UK Building Regulations.

The Polimar WG reinforced system has obtained an EXT.F.AA rating when tested to BS 476: Part 3: 1958, the external fire exposure roof test.

APPLICATION

Preparation

The Polimar WG system should only be applied to structurally sound areas. On flat roofs where large to medium size chippings have been used for surface protection, these must be removed prior to application. The roof area should then be swept down to remove all loose debris, dirt and dust.

Any cracks and gaps should be raked out to remove dirt build up and made good with a suitable filler or repair compound.

Blisters on asphalt roofs should either be cut out and made good with a suitable filler or repair compound or heated and pressed flat. On felt roofs, severe blisters should be star cut open and bonded back flat.

Any areas of moss or lichen growth should be treated with Polimar FW fungicidal wash in accordance with the technical data sheet for that product.

Any surface to be coated must be clean, dry and firm and this is especially important with metallic, gloss or plastic surfaces.

Any oil or grease contamination should be removed by high pressure washing using a detergent solution.

Asphalt, bitumen, felt, timber and porous mineral surfaces are now ready to accept Polimar WG, no priming is required. However, certain aged factory dressed roofing felts may require special treatment, a trial application and adhesion test is advisable on these surfaces.

Metallic surfaces should be primed with Polimar MC Primer in accordance with the technical data sheet for that product.

Installation

Surfaces to be coated should be clean, dry and free from obvious surface moisture and must be a minimum of 3⁰C above the dew point prior to application.

Polimar WG is a single component material and should only require stirring prior to use to incorporate any slight separation.

After the surface has been prepared and primed as required, any cracks and joints should be covered with Polimar Bridging Tape.

Polimar WG should then be applied by brush or medium pile roller to the prepared surface. Polimar GRF100 is then rolled out into the wet coat of Polimar WG, with further material being applied by medium pile roller as required to ensure full embedment taking care to avoid ponding and excessive thickness of coating.

A second coat of Polimar WG should now be applied, a minimum of 6-8hours after the first coat, the minimum overcoating interval being determined by the roof temperature and drying conditions. Excessive thickness and ponding of the coating must be avoided.

Recommended application rates:

The Polimar WG embedment coat should be applied at a minimum spreading rate of 0.5 litre / m² on smooth surfaces rising to 1.0 litre / m² on rough surfaces, sufficient to wet out the GRF100 without excessive thickness and ponding.

The second coat should be applied at a spreading rate of 0.5 litre / m².

Protection

In compliance with good roofing practice, completed work should be protected from damage, if following trades will be working on or over the roof.

Site Quality Control

Regular inspection of the work in progress should be made to ensure that the work is executed to a good standard and in accordance with the specification.

Site Safety

Guidance given in BS 8000: 1989 and the CDM Regulations: 1994 should be followed. Provision should be made for adequate scaffolding to ensure the safety of operators in accordance with health and safety requirements.

Adequate ventilation must be provided during use.

Maintenance

Marley Waterproofing recommend that Polimar liquid applied roofing systems are inspected and maintained in accordance with the guidelines given in BS 8217. The repair of damage to Polimar liquid applied roofing systems is by applying a further coating of the original product to the damaged area.

STORAGE

Polimar WG is flammable and should be stored away from sources of ignition in original sealed containers at a temperature between 5°C and 30°C. The product has a shelf life of 2 years from date of purchase and should be used within this period. Product on site should be maintained above 10°C prior to use to aid application.

PRICING

For current prices contact Marley Waterproofing. Polimar liquid applied roofing system products are offered subject to the Company's conditions of sale, which are available on request.

ORDERING

When ordering, reference should be made to the product code in order to avoid mistakes. Product codes can be found under the section 'Pack Sizes' of this data sheet.

TECHNICAL SUPPORT

For further information, please contact our Technical Department on 01304 843 344

Due to the policy of continuous development, Marley Waterproofing reserves the right to change specifications without prior notice.