

PolyureCoat



easy-trim[®] WaterProofing

Description

PolyureCoat is a two-part component liquid waterproof membrane, formulated from a unique blend of moisture triggered polyurethane resin to produce a fast curing, seamless, tough and elastic waterproofing system. Highly durable and puncture resistant. Ideal for both new construction and refurbishment projects. Can be applied to a wide range of substrates regularly seen on most roofing projects, including plywood, bitumen membrane, masonry, concrete and asphalts.

Advantages

- Easy and quick application
- Water resistant in 30 minutes
- Quick single layer application in most cases
- Fast curing at low temperatures, so suitable for most regions in the UK
- Seamless membrane with over 600% elongation

General Preparation

Ensure surfaces to be treated are clean, dry and free of any rust, mould and contaminants such as oil, grease and dust. Loose stone chippings must be removed and any cracks and splits in the substrate must be repaired using Easy-Trim GFR before installing the new waterproofing system. Please contact the Easy-Trim technical department for further information regarding concrete or single ply applications.

Mixing

Mix the product for approximately 2 minutes before carefully pouring the accelerator into the tin of PolyureCoat and slowly mixing with a paddle mixer until the accelerator is visibly mixed with the PolyureCoat. Mix the accelerator at the exact same ratio as supplied with the PolyureCoat. Not adhering to the prescribed ratio could lead to an incorrect mix and the product not curing properly.

Tel: +44 (0) 845 034 6008

e: enquiries@easy-trim.co.uk

f: +44 (0) 845 034 6010

Unit 12B Metcalf Drive
Altham Industrial Estate | Altham
Lancashire | BB5 5TU | England

w: www.easy-trim.co.uk

find us:



PolyureCoat

Application

Work out the area to be covered by each tin before commencing the application. Apply the accelerated product using a roller, in a single coat application, at a nominal rate of 1.5kg/m² over the entire main area. Upstands, joints and de-bonded laps must be reinforced using Easy-Trim GFR 225 in a wet - wet application. Apply a coat of PolyureCoat at 1.5kg/m² over the upstand or joint, (ply or OSB deck joints must be taped over) then bed into the prepared area Easy-Trim GFR 225 (available in 150mm and 250mm widths). Pull through the PolyureCoat using a roller or brush across the matting, adding a further 0.25kg/m² whilst still wet to fully encapsulate the GFR matting. Ensure the detail is continued on all the upstands.

The curing time of accelerated PolyureCoat is rapid, so ensure the required application standard is achieved before moving on. For a full product guarantee the whole roof area must be coated in PolyureCoat. When applied without the accelerator, PolyureCoat must be applied in two thin coats with a coverage rate of no more than 0.8kg/m² per coat.

A completely waterproof skin will be formed after 30 minutes, in normal conditions, of installing the membrane and fully trafficable after 2-4 hours. Full curing time is 24 hours. PolyureCoat will not be damaged by a light shower 30 minutes after the installation, but a heavy shower could cause indentations in the membrane.

Typical Physical & Performance Data

| | |
|------------------------|--|
| Packaging | 6kg and 25kg tins |
| Accelerator | 210ml (6kg) and 850ml (25kg) |
| Pot life | 30 minutes (time from mixing to when it begins to dry or cure) |
| Application | Roller, brush or spray |
| Colours | Dark grey |
| Pallet Quantity | 6kg - 80 tins 25kg - 36 tins |
| Colours | Dark grey |
| Storage | 12 months in original, unopened and tightly closed containers, at temperature +5°C to 35°C |

PolyureCoat Accelerator

Additive which, when mixed with PolyureCoat, accelerates the drying and curing times of the polyurethane weatherproofing system. The accelerator should be used at the ratio supplied (210ml to 6kg of PolyureCoat and 850ml to 25kg) to avoid the product not curing properly.

NOTE: Use of the accelerant causes the product to cure in as little as 30 minutes, so care should be taken to ensure the application area is fully prepared before mixing commences.

Simplicity Guarantee Offers

15 years - 1.7kg/sqm - 20 years - 2.0kg/sqm

Disclaimer

The information relates only to this specified material and may not be valid for such materials used in combinations with other materials and processes. This information is, to the best of the Company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of the information on the material for their own particular use.

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PolyureCoat - Frequently asked questions

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Q1. What surfaces can the system be applied to?

PolyureCoat can be applied to OSB/ plywood decks, existing bituminous membrane, mastic asphalt, metal decks, metal gutters, asbestos and single ply systems (for single ply systems please contact our technical department).

Q2. What's the drying time of PolyureCoat?

The system will achieve a shower proof surface cure within 30-40 mins and fully foot trafficable within two hours of application.

Q3. Do you need the accelerator for all applications?

Yes the accelerator provided must be combined with the system to the exact ratio specified.

Q4. Can the product be applied onto damp surfaces?

All surfaces must be touch dry before the application of the system.

Q5. How do I mix PolyureCoat?

It is always recommended to mix the product with a paddle mixer and drill. Whilst mixing, the paddle mixer should be rotated round the rim of the liquid in the tin, to ensure the accelerator is thoroughly mixed with the system.

Q6. Do I need to use a primer?

No primer is required, however when applying to a single ply substrate please contact our technical department prior to application.

Q7. Can we apply multiple layers?

Yes, PolyureCoat is suitable for over coating at any stage of the life of the system.

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Q8. Can I slow or accelerate the curing process by increasing or decreasing the amount of accelerator?

It is advised the recommended mix ratio of the system is strictly adhered to. Not adhering to this could lead to an uneven finish and slow curing of the product. In the long term this will affect the integrity of the waterproofing system.

Q9. Can the product be applied without the Easy-Trim GFR reinforcement?

Only joints, changes in direction, de-bonded laps and areas showing signs of stress and strain must be reinforced using the Easy-Trim GFR matting. It is not needed across the whole of the roof.

Q10. What tools do I need for the application?

Paddle mixer and drill, 9" sheepskin roller long pile and medium for detailing and extension poles, white spirit, latex gloves.

Q11. Can the product be decanted into smaller quantities and mixed separately in a plastic tub?

Yes, PolyureCoat can be mixed in smaller quantities in a plastic container and a catalyst dispenser used to measure out separate accelerator quantities.

Q12. Can I create a slip resistant walkway?

Once the main roof area is completed and cured, map out the required area and apply a 0.7kg/sqm coat of PolyureCoat. Whilst still wet, broadcast the required colour of mineral into the system.

Q13. How quick is the application of PolyureCoat compared to most systems on the market?

Most waterproofing systems on the market today, require an intensive level of preparation, priming, base coat and top coat application. The installation of PolyureCoat will half this time, and still ensure a highly durable waterproofing system.

Q14. Can I combine waterproofing systems?

Yes PolyureCoat can be combined with bituminous membranes especially around details like pipe penetrations, plinths, plant roofs etc.

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