



Euro Polymers (GB) Ltd.

Wychwood House,
3 Saxton Lane,
Leeds,
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Product Profile

EUROTEC 2000

Elastomeric Waterproof Coating for External Applications

EUROTEC 2000 IS A LIQUID APPLIED, ADVANCED SYNTHETIC RESIN SOLUTION, WHICH DRIES TO FORM A TOUGH, SEAMLESS MEMBRANE. AVAILABLE IN A RANGE OF STANDARD COLOURS

Eurotec 2000 is used to provide long term, waterproof protection for exposed roofing, either as a stand alone system or in conjunction with other roofing materials. Applied by brush, roller or airless spray.



1. Applications

Exposed roofing constructed from:

- Concrete
- Asphalt
- Bitumen Roofing Felt
- Bitumen Liquid Systems
- Slate
- Metal Sheets
- Brick Parapets
- Clay Tiles

2. Benefits

- Seamless - Conforms easily to complex details and irregular surface profiles.
- Extremely high tensile strength and elongation.
- Excellent crack bridging capability.
- UV resistant.
- Effective in high and low temperature conditions.
- Simple and rapid application.
- Excellent adhesion to substrate (fully bonded).
- Tins can be opened and resealed with no surface skinning inside the can.
- No primer necessary.
- Single component, requiring no on site mixing, and used directly from the drum.

3. Design Data

Durability

The product is impervious to water, and when subjected to normal service conditions, will provide an effective barrier to the transmission of water for a minimum of five years.

Adhesion

The membrane has excellent adhesion to correctly prepared substrates without the need for a primer.

Resistance to Mechanical Damage

The membrane can be damaged by sharp objects and care should be taken in handling building materials and equipment over the exposed surface. Normal foot traffic is acceptable.

Reinforcement

The membrane should be reinforced at upstands, joints and other details using EP reinforcing fabric, bedded into the first applied coat.



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4. Typical Physical and Performance Properties

| | | |
|-------------------------------|--|--|
| Colour | Red, Mid Grey, Dark Grey | |
| Specific Gravity | 0.95 | |
| Non Volatile Content | 50% | |
| Solvent Type | Aromatic Hydrocarbon | |
| Flash Point | 24° centigrade | |
| Maximum Service Temperature | 80° centigrade | |
| Packaging | 5 and 25 Litre Pails | |
| Storage Life | 1 year in original containers out of direct sunlight. | |
| Tack Free Time | 4 hours dependant on temperature and humidity. | |
| Full Cure | 24 hours | |
| Recoat Time: | Spray Roller / Brush | 8-12 hours @ 20° centigrade 24 hours @ 20° centigrade |
| Full Physical Properties | 7 days | |
| Water Vapour Transmission | 1.67 gms/m ² /24 hours | |
| Adhesion Strength to Concrete | > 0.8 N/mm ² | |
| Elongation at Break | > 600% | |
| Tensile Strength | > 7.0 N/mm ² | |
| Crack Bridging | 40 mm | |

Artificial Weathering

| | |
|------------------------------|------------|
| BS 3900 F3 | 2000 hours |
| Checking, Cracking & Flaking | none |
| Blistering or Chalking | none |
| Corrosion at Scribe Line | slight |
| Colour Change | none |

5. Delivery and Site Handling

Supply

The product is supplied in 25 and 200 Litre Drums, each drum bearing the product name and manufacturing batch code.

Health and Safety

The product is flammable, and should be stored in a cool place out of direct sunlight. Refer to product Material Safety Data Sheet for detailed information.

Shelf Life

The product has a minimum shelf life of one year when stored in a cool place out of direct sunlight.

6. Installation

Substrates

- New concrete, screed or render should have a brushed or wood float finish, and should be free from contamination by any material which could impair adhesion. All surface defects should be repaired by approved methods. Protrusions greater than 3 mm should be removed.
- Existing concrete, screed or render should be well prepared to provide a dense, defect free substrate.
- Brickwork, blockwork and masonry should be flush pointed.
- All substrates should be dry and free from standing water.
- Metal surfaces should be cleaned to remove loose rust and mill scale.
- Joints between metal or asbestos cement sheets should be filled with Euroflex 650 or sealed with Euroseal 800.
- Cracks and blisters in damaged felt should be opened and sealed with Eurotec 2000 or felt relaid as necessary.
- Remove loose chippings and other loose materials from roofing felt. Clean thoroughly.

Application

The product should be stirred well before use. Apply using a wide nylon brush, industrial short hair rollers or airless spray. The product must not be applied in wet or freezing conditions or if these conditions are likely to occur before the membrane has dried. The product is always applied in 2 equal coats, allowing the first coat to dry fully before a second coat or protection is applied. Normal recoat time is 24 hours.

Clean tools using white spirit or Hydrocarbon solvent.

Coverage Rates

| Coverage (Per Coat) | WFT (Per Coat) | DFT (Total 2 Coats) |
|------------------------|-------------------|------------------------|
| 1.0 Litres | 1000 microns | 1.0 mm |

7. Quality Control

Film Thickness

At least one wet film thickness measurement shall be taken for every 5 m² installed.

Consumption

Daily completed areas should be measured against quantities of materials used, to ensure correct coverage.

8. Drawings and Detailing

Eurotec 2000 is used in a wide variety of applications, which makes the use of standard details inappropriate in this product profile. Consult Euro Polymers for CAD assistance.



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