

# EUROTEC SYSTEM 2000

Guaranteed Flexible Elastomeric Waterproofing  
for Flat and Pitched Roofs

**EUROTEC 2000 IS A LIQUID APPLIED ADVANCED MOISTURE TOLERANT SYNTHETIC POLYMER SOLUTION, WHICH DRIES TO FORM A TOUGH, SEAMLESS MEMBRANE. AVAILABLE IN A RANGE OF STANDARD & DESIGN COLOURS**

Eurotec is used to provide long term, waterproof protection for exposed flat & pitched roofs.

## 1. APPLICATIONS



- Felt, Mastic Asphalt & Mineral Finished Bituminous Roofs
- Waterproofing substrates prior to the application of Euro Polymers Eurogard Traffic Membrane
- Metal Roofs
- Structural Metal
- Pipework, Gutters and Parapets
- Concrete and Brickwork
- Roof Gardens

## 2. COST BENEFITS

- Simple and rapid application
- Cold applied, no hot works insurance required
- No further solar reflective treatment required
- Damp Tolerant reducing site delays caused by inclement weather
- Anti corrosive, can be applied in coastal regions
- Overcoat in 4 hours in ventilated conditions
- When dry will allow limited foot traffic
- Tins can be opened and re-sealed with no surface skinning inside the can

## 3. DURABILITY

Eurotec System 2000 can be applied in colour coded coats for visual quality assurance. It is UV stable and immediately impervious to water and when subjected to normal service conditions, will provide an effective barrier to the transmission of liquid water and water vapour for up to 20 years.

## 4. PRODUCT GUARANTEE

When installed according to the manufacturers instructions to suitable substrates the following guarantees or warranties would apply. Up to 20 years when applied by a contractor approved by Euro Polymers.

## 5. COLOURS

### Standard Colours:

Base Coat: Black.

Top Coats: Buff White, Light Grey, M/Grey, Dark Grey, Red, Green and Black

Available in 98 RAL & British Standard Colours subject to quantity and extended delivery times.

### Colour Matching:

Due to the manufacturing process colours may vary from batch to batch.



**6. TYPICAL PHYSICAL & PERFORMANCE DATA**

Form	Viscous Coloured Liquid
Standard Colours	Base Coat: Black. Top Coats: L/Grey, M/Grey, D/Grey, Red, Green, Buff White, & Black
Specific Gravity	1.10
Non Volatile Content	50% (Aromatic Hydrocarbon)
Pack Size	15Litres
Shelf Life	12 Months
Application Temperature Limits	5 to 40°C
Curing Time	4 to 8 hours
Overcoat Time	4 to 8 hours
Shore D Hardness BS EN ISO868	>30
Crack Bridging	up to 5mm
Adhesive Strength	>0.5N/mm <sup>2</sup>
Tensile Strength BS ISO 37:2005	> 12.0N/mm <sup>2</sup>
Elongation BS ISO 37: 2005	100% (>500% un-reinforced)
Low Temperature Flexibility ISO 812	-39°C
Water Vapour Transmission BS 2782	1.33g/m <sup>2</sup> /day
UV Resistance BS 4892	Excellent
Salt Spray 1000Hrs	Excellent

**7. SPECIFICATION GUIDANCE****Substrates Preparation and Cleaning**

- Existing bituminous roofs should be sound, dimensionally stable, clean and free of loose matter and excess standing water.
- Cracks, joints, tears or blisters in existing felt should be opened and fully adhered using Eurotec 2000 or Euro Polymers P2 Plus Adhesive.
- Existing concrete, screed or render should be well prepared to provide a dense, defect free substrate.
- 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 3mm should be removed.
- Brickwork, blockwork and masonry should be flush pointed.
- All substrates should be free of excess standing water.
- Metal surfaces should be free of loose rust and mill scale, cleaned and degreased with Euro Polymers Solvent.
- Clean substrates with ordinary water only. If extra cleaning is required to remove oil or grease. Contact Euro Polymers.
- Previous repairs may need specialist cleaning or treatment. Contact Euro Polymers.

New plywood and OSB board decks: Suitable decks would be: Oriented Strand Board, type OSB 3, to BS EN 300 or plywood to BS EN 636 – 2 or Particleboard, type P5 to BS EN 312. Guidance on the selection and use of Wood based panels is available from the Wood Panel Industries Federation. Downloadable information is available from the WPIF's technical manual 'PanelGuide' (contact [www.wpif.org.uk](http://www.wpif.org.uk), go to PanelGuide and see section, 2.5 applications of panels in flat roof decking) or contact The Wood Panel Industries Federation, 28 Market Place, Grantham, Lincs, NG31 6LR. Tel +44 (0)1476 563707 fax +44 (0)1476 579314, email [enquires@wpif.org.uk](mailto:enquires@wpif.org.uk).

**7. SPECIFICATION GUIDANCE** CONTINUED**Eurotec 2000 System Application;**

**Primer Application:** Apply a full covering of Eurotec Universal Primer at a rate of 4-6 mtr<sup>2</sup>/Litre dependant on substrate to all non bituminous substrates. Eurotec Universal Primer is designed to provide the optimum Eurotec 2000 to substrate bond, whilst penetrating porous or friable substrates.

**Eurotec 2000 Application**

Eurotec 2000 must not be applied in standing water or freezing conditions or if these conditions are likely to occur before the membrane has dried. Only apply at temperatures between +5°C and + 40°C. Eurotec 2000 is applied in 2 colour coded coats, allowing the first coat to fully dry before the application of the second. Apply the second coat at right angles to the first. Normal recoat time is 4-8 hours in ventilated conditions. Eurotec 2000 should always be detailed and fully reinforced with Euro Polymers Polymat 50 embedded in the first coat. This system will accept traffic if finished with Euro Polymers Eurogard Traffic Membrane.

**Polymat 50 Detailing and Reinforcing**

**Upstands and Details:** All joints, upstands, details and repairs to the roof should be reinforced with Polymat 50. Fully embed the Polymat 50 into a strip coat of Eurotec 2000 base coat and allowed to dry prior to coating the full area.

**All Areas :** On all areas, including the already treated upstands, details and repairs, apply two coats of Eurotec 2000. Fully reinforced the entire area with Polymat 50. Ensure the Polymat 50 has a minimum 50mm overlap to all edges and is fully embedded into the first coat of Eurotec 2000 .

**Eurotec 2000 Coverage Rates - 20 Year System**

	Coverage (Per Coat)	Wet Film Thickness (Per Coat)	Dry Film Thickness (Per Coat)
Base Coat	1.50 Litres / m <sup>2</sup> / coat	1.50 mm / coat	0.75 mm / coat
Top Coat	0.50 Litres / m <sup>2</sup> / coat	0.50 mm / coat	0.25 mm / coat

Eurotec 2000 minimum application thicknesses; A combined wet film thickness of minimum 2.00 mm is required to achieve a 20 year guarantee.

**Tools**

Euro Polymers recommend this product be applied with either Euro Polymers Rapid Application Brush and/or Euro Polymers Roller and Frame. All tools and equipment should be cleaned before any products are allowed to dry or cure. For best results use Euro Polymers Spirit Wipe No1.

**Detail Trims**

A full range of pre-formed edging and detail trims, cleaning solutions and adhesives are available, designed for use with Euro Polymers Liquid Roofing Systems.