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**Data Sheet
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EUROTEC SYSTEM 1500

Guaranteed Flexible Elastomeric Waterproofing for Flat and Pitched Roofs

EUROTEC 1500 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.
- Concrete and Brickwork & Render
- Roof Gardens and Parapets

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. Guaranteed Durability

Eurotec System 1500 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 10 years.

4. Product Guarantee

When installed according to the manufacturers instructions to suitable substrates the following product guarantee would apply. Up to 10 years when applied by a contractor approved by Euro Polymers.

5. Typical Physical & Performance Data

Form	Viscous Coloured Liquid
Standard Colours	Base Coat: Red. Top Coats: L/Grey, M/Grey, Red, Green, Buff White, Black
Specific Gravity	1.35
Non Volatile Content	65% (Aromatic Hydrocarbon)
Pack Size	15Lt
Shelf Life	12 Months
Application Temperature Limits	5 to 40°C
Curing Time	4 to 8 hours
Overcoat Time	2 to 4 hours
Shore D Hardness BS EN ISO868	>30
Crack Bridging	up to 2mm
Adhesive Strength	>0.5N/mm ²
Tensile Strength BS ISO 37:2005	>2.0N/mm ²
Elongation BS ISO 37: 2005	>100% (>500% un-reinforced)
Water Vapour Transmission BS 2782	1.33g/mt ² /day
UV Resistance BS 4892	Excellent
Salt Spray 1000Hrs	Excellent

6. Specification Guidance

Substrate 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 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, 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.

Eurotec 1500 System Application;

Primer Application: Apply a full covering of Eurotec Universal Primer to all non bituminous substrates

Eurotec Universal Primer is designed to provide the optimum Eurotec 1500 to substrate bond, whilst penetrating porous or friable substrates.

Primer coverage rates: 4-6 m²/ltr dependant on substrate. Primer coverage rates should be used as a guide only.

Eurotec 1500 Application

Eurotec 1500 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 1500 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 2-4 hours in ventilated conditions. Eurotec 1500 should always be detailed with Euro Polymers Polymat 50. 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 150mm wide Polymat 50. Fully embed the Polymat 50 into a strip coat of Eurotec 1500 base coat and allow to dry prior to coating the full area. See detail drawings.

All Areas : On all areas, including the already treated upstands, details and repairs, apply two coats of Eurotec 1500.

Eurotec 1500 Coverage Rates

	Coverage Per Coat	Dry Film Thickness Per Coat
Base Coat	1.00 lt / m ² / coat	0.65 mm / coat
Top Coat	0.50 lt / m ² / coat	0.325mm/ coat

A combined wet film thickness of 1.5mm is required to achieve a 15 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 Cleaning Solvents.

7. Colours

Standard Colours: **Base Coat:** Red.

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

British Standard Colours: 98 British Standard Colours subject to quantity and extended delivery times.

8.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.

All products should be sold in accordance with the manufacturer's instructions. No responsibility can be taken by the manufacturers where conditions of use are beyond our control. Euro Polymers products are available for sale in accordance with Euro Polymers standard conditions of sale which are available on request. Whilst any information contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives, agents, or distributors, as the conditions of use and any labour involved are beyond our control. Our warranty is therefore limited to the quality of the supplied product.