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Data Sheet

No.200

Date Issued: March 2008

EUROSHIELD

Guaranteed Waterproofing for Flat & Metal Roofs, Metal & Concrete Structures

**EUROSHIELD IS A
COLD, LIQUID
APPLIED,
BITUMEN SOLUTION,
MODIFIED WITH
SYNTHETIC RESIN AND
POLYMERIC FIBRES.**

Euroshield is used to provide long term protection for dimensionally stable roofs and exposed concrete structures.

1. Applications

- Felt, Mastic Asphalt & Mineral Finished Roofs
- Metal Roofs
- Parapets
- Structural Metal
- Pipework & Gutters
- Concrete & Brickwork

2. Cost Benefits

- Simple and rapid application.
- Cold applied, no hot works insurance required.
- No primer required.
- No further solar reflective treatment required.
- Can be applied to damp substrates.
- Can be applied directly to rusted metal.
- Anti corrosive, can be applied in coastal regions.
- Overcoat in 2 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

The product provides a protective and long term waterproof coating for bituminous roofs, concrete, metal, & brickwork in exposed conditions.

The product is 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 a minimum of 10 years when exposed to UV light.

4. Typical Physical & Performance Data

Form	Coloured Fibrous Liquid.
Specific Gravity	1.00
Non Volatile Content	65%
Solvent Type	Aromatic Hydrocarbon
Water Vapour Permeability DIN 52615	33 X 10 ⁻¹² Kg / m ² sPa
Coverage Rate	0.5kg / m ² / Coat (2 coats)
DFT of Coating	0.35mm / Coat
Overcoat & Curing Time	2 to 4 hours
Application Temperature Limits	5 to 35°C
Sulphate Resistance	50,000 ppm sulphate
Corrosion Resistant	Excellent
UV Resistance	Excellent
Shelf Life	12 Months
Pack Sizes	5 & 20Ltr



**BS3900
Accelerated
Weathering
and
Salt Sprays**

Applied By;



5. Specification Guidance

Substrates Preparation and Cleaning

- Existing Bituminous Roofs should be sound, dimensionally stable, clean and free of loose matter and excess standing water .
- Existing concrete, screed or render should be well prepared to provide a dense, defect free substrate.
- All moss, lichen or fungal should be removed . All areas should then be treated with a suitable fungal wash.
- 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 degreased or cleaned to remove loose rust and mill scale.
- Cracks, joints, tears or blisters in existing felt should be opened and fully re-adhered using Euroshield or Euro Polymers P2 Plus Adhesive.
- For detailed preparation guidance contact Euro Polymers Technical Department.

Euroshield Application

Euroshield should be stirred well before use, to ensure even distribution of fibres. Apply using a Euro Polymers Rapid Application Brush or Euro Polymers 9" Roller and Frame. Euroshield 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 between +5°C - +40°C.

Euroshield is usually applied in two or three equal coats, allowing the first coat to dry fully prior to application of the second. Normal recoat time is 2 hours in ventilated conditions. For Guaranteed systems Euro Polymers Polymat 50 Reinforcing Fabric is required for detailing. The reinforcing fabric should be laid into strip coats or the first coat of Euroshield as described in the product guarantee.

For temporary repairs the application of one coat only, is adequate.

Clean tools using white spirit or Euro Polymers Cleaning Solvent.

Coverage Rates

First coat black: on a level smooth surface, such as mastic asphalt or metal, Euroshield coverage rate is a nominal 0.5kg per mtr2.

For irregular surfaces such as mineral finish roof membranes, Euroshield coverage rate is a nominal 1.0kg per mtr2.

Second coat black: when applied as a second coat Euroshield coverage rate is a nominal 0.5kg per mtr2.

Second coat silver: when applied may achieve a higher coverage rate than black. Apply at 0.5kg per mtr2 for guaranteed systems.

Site Testing: Coverage rates are for guidance only. Site application tests are recommended to confirm actual coverage rates. Coverage rates can vary with temperature. Avoid storing in cold conditions prior to application.

Solar Reflective Finish

Euroshield Silver will reflect 70 - 80% of solar rays. This keeps the roof construction stable, reducing thermal movement which prevents damage to the roofs structure. In direct sunlight internal building temperatures can be reduced by 5°C when compared to black or dark finished roofs.

6. Product Guarantee

When installed according to the manufactures instructions to suitable substrates the following product guarantees would apply;

Temporary Repair: One coat application of Euroshield.

10 Year Guarantee: All joints, details and repairs reinforced with Polymat 50 fully embedded into a strip coat of Euroshield, (See details drawing.) followed by two coats of Euroshield applied at a minimum of 0.5kg per mtr2 per coat.

15 Year Guarantee when applied by contractors approved by Euro Polymers: ((**Option 1**) All joints, details and repairs reinforced with Polymat 50 fully embedded into a strip coat of Euroshield, (See details drawing.) followed by three coats of Euroshield applied at a minimum of 0.5kg per mtr2 per coat. **Option 2**) All joints, details and repairs reinforced with Polymat 50 fully embedded into a strip coat of Euroshield, (See details drawing.) Apply two coats of Euroshield to the entire area at a rate of 0.5Lt/Mtr², fully reinforced the first coat with 1.0mtr wide Polymat 50.

7. Colours

Standard Colours: Silver, Black, Deep Green and Dark Red.

Deep Green and Dark Red lighten to their long term oxide colours after approximately 6 months, (dependant on position and climate).

All Euroshield colours, including Black, are UV stable

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