



Meir Roofing and Insulation Supplies

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Product Profile

No.200

EUROSHIELD

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

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

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



**BS3900
Accelerated
Weathering
and
Salt Sprays**

Certificate No.
FM 25302

Applied By;



1. Applications

- Felt, 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 | Standard Black or Aluminium Fibrous Liquid. Special Colours Red & Green. |
| 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 *(See over) | 0.5 / 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, 20 & 200Ltr |

5. Installation

Substrates

- Existing Bituminous Roof 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.
- 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.
- 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 adhered using Euroshield or Euro Polymers Felt Adhesive.
- Reinforce timber abutment joints with 150mm wide strip of Polymat 50 before applying Euroshield System
- On timber substrates apply Euro Polymers separation membrane, fixed with Euro Polymers P2 adhesive, before applying the Euroshield system

Application

The product should be stirred well before use, to ensure even distribution of fibres. Apply using a wide nylon brush. The product 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.

The product is usually applied in 2 equal coats, allowing the first coat to dry fully before a second coat or protection is applied.

Normal recoat time is 2 hours in ventilated conditions.

For Guaranteed systems Euro Polymers Poly-Mat 50 Reinforcing Fabric is required. The reinforcing fabric should be laid into the first coat of Euroshield, with a minimum 50mm overlap and allowed to dry prior to application of the second coat, as described in the product guarantee. For temporary repairs the application of one coat only, is adequate.

Clean tools using white spirit or Hydrocarbon solvent.

Coverage Rates **

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

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

Second coat black: when applied as a second coat Euroshields 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.

Temperature: Coverage rates can vary with temperature. Avoid storing in cold conditions prior to application.

Site Testing: These coverage rates are for guidance only. Site application tests are recommended to confirm actual coverage rates.

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 Black or Silver, (product guarantee).

10 Year Guarantee: Apply two coats of Euroshield Black or Silver, reinforce cracks & joints using Euro Polymers Poly Mat.

15 Year Guarantee: Apply two coats of Euroshield Black or Silver with full layer of Euro Polymers Poly Mat between coats. Euro Polymers Poly Mat (reinforcing fabric) is available in 1mtr or 150mm X 20mtr rolls.

For applications where the desired finish is Silver, Euroshield Black can be used as the base coat.

Special Colours: Deep Red or Dark Green, lighten to their long term colour within 3 to 6 months.

Guarantee application forms must be received by Euro Polymers (GB) Ltd no later than 30 days from completion of work.

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