

EFM

WATERPROOF SEALING AND DECOUPLING MEMBRANE

- + Highly Crack Resistant
- + 2 in 1 Waterproofing & Decoupling
- + Wall and Floor
- + Interior and Exterior
- + Easy to Install
- + Domestic and Commercial Use

ECO FUSION WATERPROOF SEALING AND DECOUPLING MEMBRANE

is a fast track, highly crack resistant seal strip which acts as a vapour barrier membrane designed to protect tiling installations on floors and walls from substrate cracks and moisture migration. It has good adhesion to thin bed mortars and liquid composite seals, such as polymer dispersions, flexible slurry and reaction resins. The strip is easy to use and particularly suited for quick sealing and decoupling. Resistant to weathering and alkali.

It is suitable for use indoors or outdoors with medium to high loads of traffic, as a sealing and decoupling strip on balconies and terraces as well as timber floorboard and wood chipboards under ceramic coatings. It is also suitable for use in areas with constant positive water pressure such as swimming pools and areas of high humidity such as spas. Sub surfaces such as heated and unheated screeds, concrete mastic asphalt screeds, dry floor screeds, old hard ceramic coatings, brickwork, porous concrete and plaster as well as plasterboard and gypsum fibreboard.

WITHOUT PRIMER

- + Concrete
- + Lightweight Concrete
- + Rigid Foam Slab
- + Hard Evenly-Suctioning Mineral Sub-Surfaces

PRIMING

Substrates which must be primed with Eco Fusion Tilers Primer prior to application:

- + Lime Cement Plaster and Rendering
- + Gypsum Plaster
- + Plaster Wall Panels
- + Calcium Sulphate and Cement Screeds
- + Dry Floor Screeds
- + Porous Concrete Full Mortar Bedding

- + Non Porous substrates such as old tiles, natural and artificial stone coverings, old adhesive remains from PVC and carpets

SUBSTRATE PREPARATION

- + Must be rigid, flat; stable; clean; dry, sound, and free of any contaminants.
- + Must be sufficiently load bearing for the tiling installation and level of traffic.
- + Remove dirt, oil, grease, or other separating agents or barriers to adhesion.
- + Rock pockets and cavities, as well as any unevenness, must be levelled out with mineral fillers.
- + Substrate or background must be structurally sound and capable of supporting the weight of the compound as well as all finished floor coverings and fixed material.

Timber Floors — Timber substrates must be sufficiently rigid and supported to be free from excessive deflection under expected loads.

Gypsum Screed — Screed must be confirmed dry and the residual moisture must be below 0.5%. Mechanically abrade surface and vacuum for any dust. Primer surface with Eco Fusion tilers primer diluted 3 parts primer to 1 part water followed by one neat coat of Eco Fusion Tilers Primer.

Residual Moisture content must not exceed the following values:

- + Cement Screed — 2%
- + Anhydrite Screed — 0.5%
- + Anhydrite Screed, Heated — 0.3%

APPLICATION

The required strips are cut to size with a knife or scissors before. Membrane must be either overlapped by 50 mm or butt-jointed with Eco Fusion adhesive Butyl Tape. Apply Eco Fusion Premium

Rapid Setting Flexible Adhesive or Eco Fusion Rapid Setting Flexible Adhesive to the prepared substrate with a 3x3 mm or 4x4 mm notched trowel. Roll the membrane into the adhesive within the open time and smooth flat with the flat edge of a trowel or grout float. Ensure there are no greases or air pockets. All construction joints and movement joints must be carried through the membrane and the tiling installation. The membrane should be cut to permit this. In waterproof installations it may be necessary to tape over the joints and proprietary movement joints may be required. Once the adhesive has set tiles can be installed using Eco Fusion Adhesive.

INFORMATION ON FURTHER PROCESSING

The laid strip can be overlaid with ceramic coatings after allowing enough time for the thin bed mortar to set.

NOTES

Eco Fusion Waterproof Sealing and Decoupling Membrane cannot be used as a top layer and must always be covered with a protective layer such as a ceramic coating. This product is not a replacement for over boarding floors with a suitable board to strengthen or to eliminate deflection, vibration or other vertical movement.

Eco Fusion Waterproof Sealing and Decoupling Membrane must always be used immediately below tiling, eg any levelling compounds etc must be applied below the membrane. It is recommended to tank walls and floors and all corners and joints should be sealed with Eco Fusion Butyl Tape.

When installing Eco Fusion Waterproof Sealing and Decoupling Membrane in exterior areas we recommend using Eco Fusion Premium Rapid Setting Flexible Adhesive or Eco Fusion Rapid Setting Flexible Adhesive to avoid bubble formation underneath the membrane.

If laying takes place on areas subject to high mechanical stress and is trafficable, please contact our technical team.

CONSUMPTION

1.0m per m²

SUPPLIED AS

+ 1 roll 20 m per box, 28 pallets.
+ 1 roll 20m and 30m rolls without individual carton/pallet.
+ Further sizes available on request.

CLEANING OF TOOLS AND EQUIPMENT

Rinse tools and dirtied areas with water immediately after use.

STORAGE

This product has a shelf life of 24 months if stored in its unopened packaging in normal dry conditions. Do not use below 5°C.

HEALTH AND SAFETY

For more information and precautions for use refer to safety data sheet.

The Information given in this technical sheet is given in good faith. Eco Fusion cannot accept liability for loss or damage caused by the incorrect use of its products or poor workmanship. The user must ensure the product's suitability for the application intended and if in doubt should seek written technical advice for the product's application.

TECHNICAL SUMMARY

WORKING TEMPERATURE	From +5°C
LAYER THICKNESS	0.9mm
WIDTH	1m
ROLL LENGTH	20m
TOTAL WEIGHT	350g/m
BARRIER SHEET	Polyethylene
EQUIVALENT AIR LAYER THICKNESS, SD VALUE	46m