



Euromix™ Shield is a premium, water-based penetrating siloxane sealer designed to provide long-term water repellency and protection to suitably prepared porous and absorbent mineral surfaces.

1. Product Summary:

Euromix™ Shield is a premium quality, clear penetrating sealer designed to provide effective water repellency while maintaining the natural appearance and texture of the treated surface.

The penetrating siloxane technology absorbs into porous substrates to help reduce moisture ingress, surface soiling and staining. Once cured, Euromix™ Shield provides a visible water-beading effect while allowing the substrate to remain vapour permeable.

Euromix™ Shield is suitable for both internal and external applications.

Product Name	Euromix™ Shield
Code	SHIELD
Packaging	5 litre Jerry can and 20 litre Cube
Appearance	In the bucket the material appears as a clear liquid. When finished, it appears as a clear natural finish.

2. Product Features:

Euromix™ Shield is formulated using penetrating siloxane technology to provide excellent water repellency without forming a conventional high-build surface coating. The product penetrates into porous mineral substrates to help reduce moisture absorption, efflorescence, mould growth and surface staining.

Once cured, the treated surface provides a visible water-beading effect while remaining breathable and vapour permeable. Euromix™ Shield is UV resistant and suitable for interior and exterior applications.

3. Typical Uses:

With proper preparation, Euromix™ Shield can be applied as a protective penetrating sealer over a wide range of porous and absorbent substrates including; Euromix™ textures, renders and decorative finishes, off-form concrete, fibre cement sheeting, natural stone (including travertine, sandstone and marble), reconstituted stone, masonry and brickwork, terracotta and other compatible porous mineral surfaces.

Euromix Pty Ltd recommends that a small test area be completed before full application to confirm substrate compatibility, absorption and final appearance.

4. General Performance Guidelines:

Weather	Excellent resistance to exterior weather exposure when correctly applied.
Water	Excellent water repellency with visible water-beading characteristics.
UV	Good resistance to UV exposure.
Breathability	Vapour permeable, allowing the substrate to breathe.
Staining	Helps reduce moisture-related staining, efflorescence and surface soiling.
Interior/Exterior	Suitable for both internal and external applications

5. Application Guidelines:

5.1 Surface Preparation:

Surfaces must be sound, stable, dry, clean and free of dust, dirt, grease, oil, efflorescence, loose or friable material and any substances that may prevent penetration or affect the final appearance.

The substrate must be sufficiently porous and absorbent to allow Euromix™ Shield to penetrate effectively.

Previously sealed, painted, glossy or low-porosity surfaces must be assessed for suitability prior to application.

Mask windows, glass and architectural trim elements before applying Euromix™ Shield. Floors and adjacent surfaces should be protected against spills and splashes by plastic film or similar.

Euromix Pty Ltd recommends completing a representative test area prior to full application to confirm substrate absorption, compatibility and final appearance.

5.2 Application

It is recommended that Euromix™ Shield be thoroughly stirred prior to application.

Apply evenly using a clean roller, brush or suitable low-pressure spray equipment.

Apply evenly to achieve uniform surface saturation while maintaining a wet edge. Allow the product to penetrate into the substrate and avoid excessive product build-up, pooling or ponding.

Apply a second coat where required to porous or highly absorbent substrates. Application should continue until the substrate achieves adequate saturation or refusal.

Where excess material remains on the surface, particularly on low-absorbency substrates, remove or evenly distribute the excess before drying to minimise the possibility of an uneven or glossy appearance.

Do not apply Euromix™ Shield to wet or saturated surfaces, during rain or where rain is imminent.

It is recommended that the product be applied by trades people with the appropriate skills and experience in the application of penetrating sealers and protective coatings.

5.3 Coverage:

Average approximate spread rate for Euromix™ Shield is 4 to 8 SQM per litre, per coat. This will vary depending upon type, condition, profile and porosity of the substrate, absorption rate and application technique.

5.4 Drying and Curing

Drying and curing of the product is affected by type, dryness and porosity of the surface, temperature, humidity, ventilation, climate conditions and application technique and therefore drying and curing can only be given as a guide (at 25°C & 50% RH):

Touch Dry	Approx. 1.5 hours at 25°C & 50% RH.
Recoat	Approx. 4 hours at 25°C & 50% RH.

Allow additional drying time during cool, humid or poorly ventilated conditions. Protect newly treated surfaces from rain, moisture and contamination during the initial drying period.

5.5 Clean Up:

Clean up with water before the product dries. Do not let material enter drains or waterways.

5.6 Appearance:

Euromix™ Shield dries to a clear, natural finish designed to maintain the appearance and texture of the treated substrate. The final appearance may vary depending on substrate type, colour, porosity and absorption. A representative test area should be completed before full application, particularly when applying over decorative finishes, coloured substrates or natural stone. It is the responsibility of the contractor or applicator to ensure that the final appearance is acceptable prior to proceeding with full application.

6. Limitations in Use:

Euromix™ Shield is a penetrating protective treatment and is not designed to form a waterproof membrane. The material will not bridge or repair cracking, movement joints or structural defects. Do not apply to non-porous, glazed or highly polished surfaces where adequate penetration cannot be achieved.

The material should not be subjected to hydrostatic pressure, continual or excessive rising damp or permanent water immersion. Excessive application to low-absorbency substrates may result in an uneven or glossy appearance. Always complete a representative test area where substrate suitability or final appearance is uncertain.

Euromix will not accept responsibility for misuse of this product.

7. Health & Safety:

For full safety data refer to the product's Material Safety Data Sheet. The following information is a guide only:

Precautions in Use	The use of gloves and goggles is recommended. Avoid contact with skin and eyes and ensure adequate ventilation during application.
Safety & Precautions	If product gets into the eyes, flush thoroughly with clean water. If on skin, remove contaminated clothing and wash with soap and water. If swallowed, seek medical advice. Keep out of reach of children.

8. Handling, Storage & Transport:

Handling	Euromix™ Shield is supplied in plastic containers - recognised local safe lifting methods should be used.
Storage	Store in a cool / dry area below 35°C that is protected from excessive heat, frost, direct sunlight, moisture and possible container damage. Do not let product freeze.
Shelf Life	Approximately 12 months in unopened containers when stored correctly.

The information contained in this product data sheet is typical and does not constitute a full specification, as conditions will vary from project to project.

All purchasers and intending users of the products covered in this document must, prior to use, assess and control the risks arising from use of the products, as they relate to their project.

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