Euromix 1Render



Euromix 1Render is a pre-blended, cement based, acrylic render which can be used as a single-coat, multi- purpose render over most substrates.

1. Product Summary:

Euromix 1Render is mixed with water only and is generally applied as a base coat and topcoat at thicknesses up to 12mm in one application.

Applied by hand or by machine spray in one layer, Euromix 1Render can be floated or sponge finished ready for other renders, texture coats or painting.

Suitable for most substrates in interior and exterior wall and ceiling applications, such as brick, AAC, EPS foam and concrete and FC.

Product Name	Euromix 1Render.
Code	RENONE
Packaging	Dry packed in 20kg plastic woven bags.
Appearance	In the bag and before the addition of water, Euromix 1Render appears as a light grey mixture of sand and finely ground powdered materials. After application and drying Euromix 1Render finishes to a light grey colour with a medium – smooth texture.

2. Product Features:

Being pre-mixed, in set proportions, in the factory, means that Euromix 1Render saves time and reduces waste on site, while also delivering consistent strengths and appearance after curing.

The use of a selected blend of various diameters, round silica free sand grains and special chemicals that improve workability, means that Euromix 1Render flows well on tools, reducing fatigue for the tradesman.

3. Typical Uses:

Euromix 1Render is suitable for architectural rendering and patching applications over most common substrates.

It is particularly suited to use as a one coat solution over masonry blocks and bricks, autoclaved aerated concrete blocks / panels (AAC), Fibre Cement (FC), expanded polystyrene sheet (EPS/Foam) and off-form concrete surfaces.

4. Performance Guidelines:

All Euromix Renders are designed for use as decorative finishes; they are not meant to be used in applications where special strength, movement, hardness, or other performance characteristics are required. The properties listed below are general in nature;

Weather	Excellent weather resistance when top coated.
Temperature	Performs well after hydration in temperatures from – 4 to + 60°C.
Abrasion	Good resistance to abrasion after full curing.
Solvents	Sensitive to exposed aromatic hydrocarbons, acetone, and strong solvents.

5. Application Guidelines:

Euromix Pty Ltd recommends that Euromix 1Render be applied by trades people with the appropriate skill, knowledge and experience of acrylic rendering practice to carry out the relevant works.

5.1 Substrate Preparation

All substrates must be clean, dry and free from any material that may inhibit adhesion (including loose paint, grease, oil, fungus / moss, dirt, friable materials and any mould release agents).

New concrete should be allowed to dry for 12-28 days before coating (ensure that the moisture content is less than 15%). If the concrete surface is very smooth and shinny then wet it slightly and apply a scratch coat of Euromix™ 1Render - Superbase Render.

Mask windows and architectural trim elements before applying render. Floor and adjacent walling materials should be protected against spills and splashes by plastic film or similar.

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5.2 Mixing the Render

Euromix 1Render should be mixed with clean potable water (no bond required) by mechanical mixer. Pour the water, around 4L – 4.5L into a clean mixing bucket, then steadily add the Euromix 1Render powder will mixing until the paste is smooth and lump free. Care should be taken not to add excessive water as this will reduce strength in the product and may cause shrinkage cracking.

The mixed render should hold a stiff peak on the hawk. Do not mix more material than can be used within one (1) hour.

When applying Euromix 1Render by machine, simply load the render straight from the bag into the hopper.

5.3 Application

Apply Euromix 1Render to the substrate surface using a hawk & trowel or by spray gun with a machine pump.

When the applied material has firmed sufficiently, it can be levelled and made true with a straight edge, before being floated with a suitable float to achieve a flat surface.

Spillage and partially set material should be discarded – do not reuse.

Euromix 1Render should be applied up to 12mm maximum thickness.

5.4 Curing

Ensure adequate protection from the drying effects of direct sunlight, wind and low humidity or a combination of these elements. Do not apply Euromix 1Render when temperature will be above 32°C, especially if windy.

Also do not attempt to apply Euromix 1Render when the temperature is below 10°C or where the chill factor is high.

Ensure that the curing render is protected from rain, extreme frosts and other sources of excess moisture.

Drying and curing times are given as a guide only (*for normal weather conditions, at 25°C and 50% R);*

Surface dry	Four (4) hours.
Recoat with Render	One (1) day.
Texture & Paint	Three (3) days for acrylic texture & paints. Twenty-one (21) days for oil / alkyd-based paints.

5.5 Coverage:

Coverage is variable, dependent upon type, texture and porosity of the substrate and the application technique. As a guide 1 bag (20Kg) when applied at @ 8-10mm thickness will cover 2.5-3.0 SQM.

5.6 Clean Up:

Tools should be cleaned with water before the Euromix 1Render has cured. Any spillage or splashes should be removed immediately as the set render is extremely difficult to remove and is likely to stain.

6. Health & Safety:

Euromix 1Render contains cement which is alkaline in nature. Refer to the product SDS for full safety information.

Precautions in Use	The use of gloves, goggles and overalls is recommended when Euromix 1Render is being applied. Work areas should be well ventilated and cleaned regularly by wet sweeping or vacuuming.
Safety & Precautions	The use of gloves and goggles is recommended.
First Aid	If swallowed, drink a glass of water and seek medical advice. If in eyes, flush thoroughly with clean water to flush away any contaminate. If on skin, remove contaminated clothing and wash skin with soap and water. If powder is inhaled remove person to fresh air.

7. Limitations in Use:

Product should not be subjected to hydrostatic pressure and rising damp.

Any building movement and/vibration that results in visible cracking of the render substrate will be sufficient to cause cracking and possible delamination of the render.

Euromix Pty Ltd strongly recommends that Euromix 1Render be applied by building contractors and trades people with the appropriate skill, knowledge and experience to carry out the relevant works.

Disclaimer:

Direct application to off-form concrete is subject to substrate suitability and adequate surface preparation. Applicators must check for oils, release agents, laitance, efflorescence and other contaminants, and ensure adequate adhesion before proceeding. Smooth or glossy surfaces may require additional preparation. If unsure, consult Euromix Technical Team before application. Euromix accepts no responsibility for adhesion failure caused by unsuitable or inadequately prepared substrates. Euromix Pty Ltd will not accept responsibility for misuse of this product.

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8. Handling, Storage & Transport:

Handling	Euromix 1Render is supplied in 20Kg bags - recognised local safe lifting methods should be used.
Storage	Store the product in a cool / dry area, away from sources of excessive heat, frost, and moisture.
Shelf Life	Approx 12 months in unopened bags.

The information contained in this product data sheet is typical and does not constitute a full specification, as conditions and specific requirements 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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