



**Euromix™ Render is a pre-blended, cement based, acrylic enhanced general use decorative render.**

## 1. Product Summary:

Euromix™ Render, when mixed with water and an acrylic polymer bonding agent (Euromix™ Bond), provides a weather resistant finish that is suitable for decorative rendering and patching over most substrates in interior and exterior wall and ceiling applications.

<b>Product Name</b>	Euromix™ Render
<b>Code</b>	RENMULTI
<b>Packaging</b>	Dry packed in 20kg composite paper and plastic bags
<b>Appearance</b>	In the bag and before the addition of water, Euromix Render appears as an off-white / light grey mixture of sand and finely ground powdered materials. After application and drying Euromix Render finishes to a light grey colour with a slightly rough texture.

## 2. Product Features:

Being pre-mixed, in set proportions, in the factory, means that Euromix Render 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 sand grains and special chemicals that improve workability, means that Euromix Render flows well on tools, reducing fatigue for the tradesman.

As the polymer content can be changed (when added to the mixing water) Euromix Render is able to be used on a wide range of substrates, both as a base render coat and a finishing render coat.

## 3. Typical Uses:

Applied by hand, in layers ranging from 2 to 6mm thickness, Euromix Render can be floated, or sponge finished, ready for other renders, textures or paints.

Euromix Render is an excellent base coat for application over most substrates including clay and cement bricks/blocks, pre-cast or site poured concrete surfaces, autoclaved aerated concrete blocks / panels (AAC), fibre cement sheeting (FC) and expanded polystyrene sheet (EPS) surfaces.

Euroset recommends that Euromix Render be applied by skilled trades' people who are experienced in acrylic rendering application.

## 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;

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

## 5. Application Guidelines:

### 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 shiny then wet it slightly and apply a scratch coat of Euromix™ Patch Coarse as a keying coat first.

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.

### 5.2 Mixing the Render

Euromix Render should be mixed with a 'solution' of Euromix Bond plus water using a handheld drill mixer or a traditional concrete mixer.

The required volume of Euromix Bond plus water should be prepared in a mixing bucket. Then, steadily add the Euromix Render powder, mixing until the paste is smooth and lump free.

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

## 5.3 Bond Ratios

In normal use approximately 4 litres of Euromix Bond / water mix is required for 1 bag (20 Kg) of Euromix Render. The bond / water ratio for common substrates / surfaces is;

Substrate	Bond	Water
Clay Bricks & Render	1	19
Calcil	1	15
AAC & Concrete	1	9
FC & EPS Surfaces	1	4

## 5.4 Application

Apply Euromix Render to the substrate surface using a hawk & trowel. Allow the render to stabilize before levelling and finishing to the desired texture. Spillage and partially set material should be discarded – do not reuse.

Euromix Render should be applied in layers of 8mm maximum thickness. Higher thicknesses can be achieved in multiple coats (allow at least 24 hours between coats).

## 5.5 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 Render when temperature will be above 32°C, especially if windy.

Also do not attempt to apply Euromix Render 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.

## 5.6 Coverage:

Coverage is variable, dependent upon type, texture and porosity of the substrate and the application technique. As a guide 1 bag (20 Kg) when applied at @ 4mm thickness will cover 3-5 SQM.

## 5.7 Clean Up:

Tools should be cleaned with water before the Euromix Render 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:

The International Agency for research on cancer (IARC) has classified “Crystalline Silica” as a Human Carcinogen.

Precautions in Use	The use of gloves, goggles and overalls is recommended when Euromix Render 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.

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

Euroset will not accept responsibility for misuse of this product.

## 8. Handling, Storage & Transport:

Handling	Euromix Render is supplied in 20 Kg 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.*

*For further information please contact Euroset via the contact details listed below;*

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