

# Euromix® Renders

*Euromix® Renders are acrylic modified cement renders formulated to provide weather resistant, decorative finishes over most building material substrates.*

*Manufactured using specially blended mineral fillers and additives, Euromix® Renders provide excellent crack resistance and a degree of flexibility that is not found in traditional renders.*

**Euromix® Render** is a multipurpose render, suitable for use both as a base coat where finishing renders, texture coats, etc. or architectural finishes (like tiles) are to be applied and as a finish coat, where a high quality sponge finish is required. It can be applied by hand or by machine, in layers ranging from 2mm to 6mm at a time.

**Euromix® Cream Render** is most often used as a base render coat. Cream Render formulation has higher polymer content than Euromix® Render and fewer 'fines' in the sand, making it suitable for application by machine and allowing a thicker build per coat (up to 10-12mm). Cream Render can be applied by hand also.

**Euromix® Skim** is designed for use as a top or finishing coat. The smaller sand grain used in Skim and high proportion of fines in the mix ensure that a quality flat or 'sponge' finish can be achieved. Skim should be applied by hand, in one layer, ranging from 2mm to 4mm thickness.

## Euromix® Render Features

- Pre mixed in 20 Kg bags, Euromix Render saves time on site and reduces waste and material loss.
- Workability additives mean the wet Render 'flows' well on hawks, trowels and other tools, making it easy to apply and finish off.
- The proportions of all material components are consistently maintained at levels designed to give superior adhesion to most substrates when compared to traditional site mixed sand and cement renders (poor curing and adhesive strengths often results in traditional renders becoming 'drummy' to the touch).
- Special modifiers in Euromix Render ensure that it can be over-coated 48 hours after application (in normal weather conditions), saving time on site and reducing associated costs, like those relating to scaffolding, when compared to traditional renders.

## Suitable for Most Building Substrates

Euromix® Renders are suitable for architectural rendering and patching applications over most substrates, including; clay and cement bricks / blocks, pre-cast or site poured concrete, aerated concrete blocks / panels, fibre cement sheeting (FC) and expanded polystyrene (EPS) and polyurethane (PU).



## Substrate Preparation

Ensure that all elements to be rendered have been constructed and fixed in accordance with the project plans / specifications and the substrate manufacturer's recommendations - some items for consideration include:

- Sheet substrates should be fixed in accordance with the manufacturer's recommendations.
- Walls should be straight, flat and plumb – any wall joints should be structurally sound with face surface levels on each side of the join aligned.
- Internal and external corners should be 'true' and well constructed (unlikely to move or otherwise come apart).
- Identify any areas of substrate that are affected by dust, loose / friable material or adhesion inhibiting materials – remove or otherwise 'make-good' these contaminants.
- For previously painted surfaces ensure that any loose, peeling or cracking paint is completely removed. The entire surface should then be cleaned to remove all dirt and contaminants. If in doubt about the bond between the paint and the original substrate then remove the paint.

**Contact Euroset for the special instructions for applying render over paint, EPS and FC substrates.**

# Euromix® Renders

## Mixing Render

Euromix Renders should be prepared with a mixture of Euromix Bond and water, using a suitable drill or traditional concrete mixer. The required amount of Euromix Bond and clean, mains supply, water should be prepared in a mixing bucket and then steadily added to the Render powder until it is smooth and lump free.

## Bond Ratios

In normal use approximately 4 litres of 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	1	19
Calcil	1	15
AAC	1	9
Concrete	1	9
FC & EPS Surfaces	1	4
Render	1	19



## Typical Drying Times

The times quoted below are for normal weather conditions, at 25°C and 50% RH.

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

## Safety

Euromix Render is non-toxic; however it contains cement which is alkaline in nature. Keep exposure to dust and the wet material as low as practicable – clean skin or eyes with water if exposed.

## Typical Properties

Density	1700 – 1900 Kg / M <sup>3</sup>
Compressive Strength	≥ 5 MPa @ 7 days and > 8 MPa @ 28 days
Coverage	@ 4mm approx 3-5 SQM
Shelf Life	1 year under cover away from heat & moisture.

## Typical Application Method

Apply a first coat of Euromix Render (mixed in the appropriate gauge of Euromix Bond to water) to a minimum thickness of 2mm with hawk & trowel.

Once the first / base coat of render has dried at least 24 hours, in normal weather conditions, prepare Euromix Render with a gauge of 1 part Bond to 18 parts water, then apply this to a nominal thickness of 4mm, using a trowel and straight edge to achieve true and level finish.

Once the second / levelling coat of render has dried (at least 24 hours in normal conditions) prepare Euromix® Skim with a gauge of 1 part Bond to 18 parts water then apply this to a nominal thickness of 2mm, using a trowel and straight edge to achieve a true and level finish.

Rule off the Skim coat and finish with polystyrene, wood or plastic floats to prepare the surface for a towelled-on acrylic coating or for paint.

Alternatively the Skim Render can be sponge finished after floating and made ready for the application of a suitable paint system (like Euromix Primer and Euromix Flex Paint).

## Curing

Ensure adequate protection from the drying effects of direct sunlight, wind and low humidity or a combination of these elements. Rapid drying of the surface can cause cracking and result in a low strength / friable render. Do not apply Euromix Renders when conditions will be above 35°C, especially if windy, nor where the temperature is below 5°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 (e.g.; overflowing gutters and down pipes).

*The information contained in this summary is typical and does not constitute a full specification, as conditions and specific requirements will vary from project to project.*

*It is recommended that the products covered in this document be applied by building contractors and trades people with the appropriate skill, knowledge and experience to carry out those works, as may be necessary to meet the requirements of the project.*