

Mixing 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.

Guide to Mixing Euromix Render:

Euromix Render is best mixed in a clean 20L plastic bucket on-site, one 20kg bag at a time and in close proximity to the substrate being rendered, to minimise time and distance carried between the mixing and commencement of application.

Prepare the required volume of clean (potable) water & bond solution in a separate clean bucket, using a measuring cup / vessel to ensure that the correct volumes of water and bond are added. Stir this solution with a suitable mixing drill or manually, using a paddle, to achieve an even dispersion of the bond in the water. It is recommended that solution for no more than 5 bags of Render be prepared at any stage. This solution should be restirred each time before being used to mix render.

Acrylic modified renders, including Euromix Renders, are best mixed with a hand held electric Render Mixer or a power drill with a recognised render paddle attachment.

Mixing Procedure:

1. Pour 3.5L of the water & bond solution (each bag of Cream render will take 4L of solution to mix) into the mixing bucket then gradually add the 20kg bag of Euromix Render powder while agitating the material with the mixer or drill.

2. Once all the Euromix Render powder has been added to the water & bond solution continue to mix thoroughly until the wet render exhibits an even consistency and colour – this should take around 3 minutes.
3. Add 0.5L more water & bond solution in gradual increments to the wet render and continue to mix thoroughly – around another 2 minutes. Do not add too much water & bond solution as this can lead to shrinkage, cracking and low strengths in the cured render.
4. Allow the mixed render to 'stand' in the mixing bucket for 2-3 minutes to ensure the water & bond solution has 'wet' all components of the powder and to allow some of the desired early chemical reactions in the render to be established.
5. Check the consistency of the render - it should be wet enough to hold a 'soft' peak when scooped onto a hawk.
6. Depending on the weather conditions prevailing at the workface each bucket of Euromix Render should be applied on the substrate within a maximum of 15-20 minutes. Any render left after that time should be discarded.
7. Discard any spillage and partially set material – do not attempt to re-temper it with water or to add it to a fresh bucket of render.

Measuring the Density of Mixed Cream Render:

When mixed in controlled conditions, in accordance with the guidelines above, Cream Render will exhibit a nominal density of 1.80 grams / millilitre (± 0.0360 or 2%), when sampled, within 1 – 3 minutes after mixing is complete, from the top quarter of the mixing bucket.

So the Cream Render, mixed in accordance with the guidelines above, contained in a filled to level, standard measuring cup of 240ml capacity, should weigh 432 grams (± 8.64 grams).

This figure can be used as a Key Quality Control Indicator for the correct solution : render powder ratio and effectiveness of the mixing method, on site. However it should be remembered that this is a nominal target figure based on the average Cream Render bag weight.