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Thin Coat Renders

Application & Maintenance Guide

EuroMix Dry Mortar System

1. Preparation of the Background Surface

An examination of the background surface must be carried out to assess its suitability to receive, and provide a permanent support to, EuroMix Thin Coat Render.

Recommended steps are:

- Remove all dust, loose material and any contamination from the background.
- Fill voids and deeply recessed joints with EuroMix High Bond so that they are level with the surrounding background.
- Apply EuroMix Thin Coat Render Primer to substrates 12 hours before application.
- Treat junctions between different surfaces in accordance with the recommendations of BS 5262.

2. Mixing

EuroMix Thin Coat Renders should be mixed with a suitable hand mixer or continuous spray rendering machine using a slow pump. (6 to 10 l/min recommended) Thin Coat Renders with 1mm and 2mm grain size are most suitable for spray application. To produce a workable material, clean water should be added at a constant steady rate to ensure an even mix consistency and uniformity of the finished coating. The mixing output affects the proportion of water required but this is typically 6-7 litres per 25kg bag. Remixing or later addition of water is not permitted. Failure to observe this requirement is likely to adversely affect product life and colour consistency.

3. Application

Apply mixed material to a one grain thickness and spread evenly using a stainless steel trowel. A plastic trowel is most suitable for initial and final polishing; however a low absorbent cellular sponge may also be used. DO NOT apply water to the applied render or wet the low absorbent cellular sponge. It should be noted that the cellular sponge finish will give a slightly different finish to that of the plastic trowel therefore only one method should be used on a job to ensure uniformity. Apply render on full panels/elevations. Always apply render in the shade (never in direct sunlight). When using a spray rendering machine please note that material will stiffen more quickly in the hoses in summer than in winter. In all conditions the mix should not be left in the hoses for more than 30 minutes. If the machine is stopped for more than 30 minutes, the hoses should be emptied: alternatively the old render material should be expelled from the hoses and new material may then be left in them for a further 30 minutes.

4. Curing

For best results, EuroMix Thin Coat Render should be allowed to set slowly. Air temperature, wind, sun and suction effects from the substrate all influence the rate of drying. Protect newly rendered surfaces from sun, wind and rain. Newly rendered surfaces require approx 12 hours drying to avoid wash off by rain.

Do not apply render:

- To frozen, thawing or wet substrates.
- In damp or freezing conditions.
- When the temperature is below 5°C or when overnight frost is forecasted.



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4. Maintenance

Regular maintenance checks should be carried out to ensure that architectural details for shedding water clear of the building are present and functioning. External plumbing, fittings, gutters and down pipes should be in good condition to lessen the extent of penetration of water into the render.

5. Repairs

In case of repair work the following steps need to be taken:

- Cut the affected area with a sharp blade through to the background surface.
- Remove render within the cut out area by using a sharp scraper.
- Mask the surrounding area with suitable tape.
- Reapply render as described above.

6. Colour Differences

Air temperature, wind, sun and suction effects from the substrate all influence the rate of drying. Because of thin layer application this can result in a visual colour difference between different areas.

In the rare case of visual colour differences CPI EuroMix Silicone Colour Equalization may be applied 48 hours after application of the render. This product is delivered in 15 litre buckets and the same colour as the Thin Coat Render and is waterproof. This product may also be used on site in case of vandalism (graffiti) or any other damage to the render.

7. Durability & Cleaning

The product may become discoloured with time, the rate depending on the local environment. Appearance can normally be restored by cleaning with water and a stiff brush. In industrial atmospheres, light-coloured renders should be avoided.

The product may suffer from algal growth in a similar manner to traditional external rendered finishes.

In common with traditional renders the product may be subject to lime bloom. The occurrence of this may be reduced by proper protection and by avoiding application in winter or adverse weather conditions. The effect is less noticeable on white or paler colours.

8. Technical Services

If in any doubt about maintenance or repair issues please contact our technical advisory team.



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Helpline: **0845 850 9090** (UK) **01 630 2732** (Ireland)

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