

Uniclass L5171	EPIC E271
CI/SfB	Pr4

March 2005

One Coat Renders

Hand or Spray Applied

Application Guide

EuroMix Dry Mortar System

The following is a general guide to the use of EuroMix One Coat Renders.

Full recommendations on the use of renders are set out in BS 5262:1991 Code of Practice for External Renderings.

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 One Coat Render.

Recommended steps are:

- Remove all dust, loose material and any contamination from the background.
- Fill voids and deeply recessed joints with EuroMix General Purpose Render so that they are level with the surrounding background.
- Wet down very porous and high-suction substrates 24 hours before application, taking care to avoid excessive use of water.
- Treat junctions between different surfaces in accordance with the recommendations of BS 5262.

Providing a Key

When spray-applied on to new brickwork or concrete blockwork, EuroMix One Coat Renders do not require a scud coat / EuroMix High Bond Render. When the render is applied to concrete or very smooth surfaces, a scud coat / EuroMix High Bond Render, is essential in order to provide a satisfactory key. See opposite for recommended scud coat specification. (In Ireland common practice requires that a scud coat / EuroMix High Bond Render is used when material is applied by hand).

Scud Coat Specification

- A 2:1 sand and cement coat or sand and cement adhesive slurry (such as EuroMix High Bond Render) must be applied to smooth dense surfaces to provide a textured key for EuroMix One Coat Render.
- Apply the scud coat to the substrate by throwing it from a short distance, ensuring complete and even coverage.
- The scud coat should be dampened down with clean water between 1 and 2 hours after it has been applied. This is to ensure adequate hydration of the cement.
- Allow to dry out completely and harden before applying EuroMix One Coat Render. The drying out process takes typically about two to three days but this is dependent on weather conditions.

Mixing

EuroMix One Coat Renders should be mixed in a suitable mixer or continuous spray rendering machine. 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 5-6 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.



EuroMix

Application

EuroMix One Coat Render is applied in two passes. At the first pass apply a 3-5mm thick coating on to the prepared background: after approximately 30 minutes, apply a 10-15mm thick coating giving a total thickness of 18mm: level the surface using a long straight-edge or trowel: avoid over-working: allow to set.

Pot life of the render is temperature dependent. Thus the 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 will be 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.

Curing

For best results, EuroMix One 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 the drying effect of the sun and wind as far as possible. In sunny weather, it is recommended that the work is carried out in the shade, following the sun around the building as the day passes.

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 forecast.

Finishing the Work

a. Scraped Finish

- Once the work is set, a uniform finish is achieved by using a toothed scraper to remove the top surface.
- The total thickness of the finished work after scraping should be 15mm.

b. Rough Stone Finish

- Scrape as in section (a) above.
- After 24-48 hours use a carborundum block to polish the surface.

c. Ashlar Stone Finish

- After following the procedure described in (a) and (b) above, the joints and cuts are formed by cutting into the surface using a special handsaw.
- Take special care to avoid damaging the external angles by always working away from the corners.
- All cuts must be kept uniform, leaving a minimum of 15mm cover in the recesses.



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