

Roughcast Render (SEP 01,02,03,04)

Product Datasheet

1. Product

Factory prepared dry, pre-mix mortar (render) for manual and machine application. Mineral fine, medium and coarse roughcast finishing render.

2. Suitable Uses

As a traditional roughcast finish onto mineral basecoats, resin based renders, insulation renders, render carriers, insulation boards, external thermal insulation composite systems (ETICS) and salt retention renders and fillers. For producing a range of white or coloured roughcast or smoother textured finishes in external and internal areas.

3. Composition

Sand, hydrated lime, white cement, marble aggregate and hydraulic additives to improve workability and adhesion.

4. Performance

Easy to apply, good workability, mineral, roughcast finishing render for machine or hand application. Varying grain sizes allow flexibility in the choice of finished texture.

Roughcast Render is water-vapour and CO₂ permeable. It is frost and weather resistant and has a much lower susceptibility to staining than conventional renders.

5. Technical Data

Mortar group:	CS II according to EN 998-1			
Compression strength:	> 1.5 – 5.0 N/mm ²			
Water absorption rate:	W 2 (EN 998-1),			
Colours:	white and coloured			
Product reference:	SEP 01	SEP 02	SEP 03	SEP 04
Min. layer thickness:	2 mm	2 mm	3 mm	4 mm
Grain size [mm]:	0 - 1	0 - 2	0 - 3	0 - 4 mm
Water req. l/Sack:	6.5 - 7.5	6.0 – 7.0	6.0 – 7.0	5.5 – 6.5
Coverage: [kg/m ²]:	2.2kg	3.3kg	4.0kg	5.5kg
Coverage per sack	11.4 m ²	7.6 m ²	6.3 m ²	4.5 m ²

6. Packaging

25kg paper sacks (42 sacks per pallet = 1,050 kg)

7. Storage

Dry and protected, do not store for longer than 6 months.

8. Quality Assurance

This product undergoes third party and in-house monitoring, using a quality management system which conforms to the current international standard EN ISO 9001 and the environmental standard ISO 14001 and is certified.

9. Health & Safety

See separate H&S sheet

10. Background

The background should be dry, stable, dirt, dust and frost free, and able to receive a coating.

Render or plaster backgrounds should be fully cured. The surface should be free from laitance and if necessary roughened.

Smooth concrete surfaces should receive a suitable bonding coat (for example Bonding Mortar). Highly absorbent render and plaster backgrounds and especially gypsum backgrounds should receive a suitable primer (contact Lime Technology for advice). Allow any primers used to dry for at least 24 hours. Friable basecoats should be strengthened with a suitable stabiliser (contact Lime Technology for advice).

11. Application

11.1 Mixing

Roughcast Render must be mixed with clean water. Do not mix with other materials or use any admixtures.

Roughcast Render can be manually mixed in a bucket or tub, using an electric hand mixer on a slow speed setting. Fill a bucket to a third full with water. Gradually add the **Roughcast Render** to the water while mixing. Add more water or material as required and mix thoroughly to a workable consistency, free of lumps.

Continuous or gravity fed mixers are also suitable for mixing. Do not use drum mixers.

11.2 Application

For larger areas, standard mortar mixing pumps (semi and full performance rotor and stators) provide a more effective mixing and application technique. Keep all tools, tubs and machines clean.

Apply **Roughcast Render** with a stainless steel trowel or spray it on with a mixing pump. Spread the **Roughcast Render** with the trowel to the grain thickness. Shortly after, texture the surface as desired with a coarse or fine rubber sponge float (roughcast effect), or a plastic/wooden float (flatter textured finish).

Plan and carry out the application systematically, maintaining a wet edge. Finish complete sections in one application.

11.3 Note

Do not apply in direct sunlight, rain or wind and protect the finished work until fully cured. (Scaffold nets).

Rapid drying can be slowed down by dampening the finished work with a fine water mist applied at regular intervals.

High humidity and low temperatures can delay drying times considerably.

Changing backgrounds and surface structure, absorbency and weather conditions can cause variations in colour.

Consider the light fastness requirements for ETICS, (not under 20-30 for mineral renders).

Do not apply **Roughcast Render** in plinth areas.

Clean tools with clean water.

Protect other materials such as glass, ceramics or metal etc from contamination with appropriate coverings. Rinse away any splashes immediately before they harden.

Order the total requirement of **Roughcast Render** to ensure uniformity of colour is maintained in production.

Roughcast Render may be painted with equalising paint.

Do not apply or allow to dry under an air or wall temperature of +5°C and falling or more than + 30 °C. Observe the guidelines stated in EN 998-1.