

Baunit Renders and External Finishes

Application Sheet

1. Background general for all renders

The background must be dry, solid, firm and free from dirt and dust. Use Baunit Stabiliser PF if the surface is friable. Apply coat of Baunit Bonding Adhesive MC 55 if smooth or painted.

2. General hints for all renders and finishes

Standard thickness of traditional base coats is 15mm, with 10mm for thin coat products

Do not apply in direct sunlight, rain or wind and protect finished work until fully cured.

High humidity levels and low temperatures can delay curing times.

Observe the minimum curing time of 1 day per mm of thickness.

In the case of thinly applied coats or rapid dehydration, dampen the finished work with a fine water mist sprayer.

3. Clay Bricks, Dense Concrete Blocks - Standard Substrate

External Background:

Surface should be able to receive a render coating. Highly absorbent backgrounds should be dampened with water. Damp or dissimilar backgrounds are vulnerable to cracking and require the use Baunit Alkali Resistant Meshcloth AG 01, but for a standard substrate;

- Apply Baunit Universal Render K 39 15mm thick as a basecoat in two passes in a “wet-in-wet” method, 10mm and 5mm application, either with or without Meshcloth, AG 01, rule off surface and on stiffening grid float for finish coat.
- Leave to fully cure before applying topcoat.
- Mix with approximately 8-9 litres of clean water per 25 kg bag. K 39 can be manually or machine mixed and applied.
- Apply Baunit Universal Render K 39 as a topcoat 10 mm thick and scratch back to 8mm for a scratch finish and apply coat of Baunit Equalisation Paint.
- Or apply Baunit Coloured Render Topcoat KRP 10mm and scratch back to 8mm
- Or apply Baunit Decorative Roughcast Finish SEP 02 with steel trowel to 2-3mm thick, or more depending on aggregate size.
- Or apply Baunit Lime Render Finish RK 70N 2-3mm thick and sponge or float finish.

Internal Background:

- See Baunit Plaster and Finishes - Application Sheet

4. Clay Bricks, Dense Concrete Blocks - Smooth Substrate

External Background:

Surface should be able to receive a plaster coating. Highly absorbent backgrounds should be misted with water

- Apply Baunit Bonding Adhesive MC 55, 2-3mm thick if surface smooth or painted.
- Mix with approximately 6-7 litres per bag. MC 55 can be manually or machine mixed and applied then.
- Apply Baunit Universal Render K 39 15mm thick as a basecoat in two passes in a “wet-in-wet” method, 10mm and 5mm application, either with or without Meshcloth, AG 01, rule off and on stiffening grid float for finish coat then.
- Apply Baunit Universal Render K 39 as a topcoat 10mm thick and scratch back to 8mm for a scratch finish, then apply coat of Baunit Equalisation Paint.
- Mix with approximately 8-9 litres of clean water per 25 kg bag. K 39 can be manually or machine mixed and applied.
- Or apply Baunit Coloured Render Topcoat KRP 10mm and scratch back to 8mm
- Or apply Baunit Decorative Textured Finish SEP (thickness depends on grain i.e 1mm or 2mm).

Internal Background:

- See Limetec Plaster and Internal Finishes - Application Sheet.

5. Aircrete Blocks Substrate

Aircrete low density lightweight blockwork should always be dry prior to plastering. Measures should be taken to avoid its direct exposure to wet weather.

Aircrete blockwork has very high water absorbency. This can cause freshly applied plasters to shrink and crack through rapid dehydration. Unfortunately, it is common practice to remedy this by saturating the aircrete with plenty of water. This actually creates more problems than it supposedly cures. Unless the aircrete block has reached full saturation, the absorbency performance will only continue to increase and not reduce. Moisture introduced into the aircrete block remains trapped within the cellular structure and causes it to expand in volume. The moisture is eventually released, but over a long time (up to 3 years). During this time the block gradually shrinks back to its original size. If the aircrete blockwork has been plastered while wet, shear forces will occur at the block and plaster interface, resulting in the plaster “shelling off”.

External Background:

- Apply Baunit Fibrous Lightweight Render FL 68 to masonry with a density of less than 700kg/m³, 15mm thick as a basecoat, rule off and on stiffening grid float to accept finish coat.
- Mix with approximately 9-10 litres of clean water per bag. FL 68 can be manually or machine mixed and applied.
- Apply Baunit Coloured Render Topcoat KRP 10mm and scratch back to 8mm
- Or apply Baunit Decorative Roughcast Finish SEP with steel trowel to 2-3mm thickness, depending on aggregate thickness.

Internal Background:

- See Baunit Plaster and Finishes - Application Sheet

6. Hemcrete Walls Substrate

External Background:

- Apply Baunit Lightweight Fibrous Render FL 68, 15mm thick as a basecoat, rule off surface and on stiffening grid float ready for finish coat. Leave to fully cure (1 day per mm of thickness) before applying topcoat.
- Mix with approximately 8-9 litres of clean water per bag. FL 68 can be manually or machine mixed and applied.
- Apply Baunit Lime Render Finish RK 70N as a topcoat 2-3mm thick sponge or float finish.
- Or apply Baunit Coloured Render Topcoat KRP 10mm and scratch back to 8mm
- Or apply Baunit Decorative Roughcast Finish SEP with steel trowel to 2-3mm thickness.

Internal Background:

- See Baunit Plaster and Finishes - Application Sheet

7. Render Carrier Boards Substrate

External Background:

- Apply Baunit Bonding Adhesive MC 55, 7mm thick as a basecoat in a “wet-in-wet”, apply Baunit Meshcloth AG 01 with 100mm overlap the further 3mm application of MC 55, rule off surface and on stiffening grid float for finish coat.
- Leave to fully cure (1 day per mm of thickness) before applying topcoat.
- Mix with approximately 6-7 litres of clean water per bag.
- Apply Baunit Bonding Adhesive MC 55 as a topcoat 3mm thick and sponge finish as a level white finish.
- Or apply Baunit Coloured Render Topcoat KRP 10mm and scratch back to 8mm
- Or apply Baunit Decorative Roughcast Finish SEP with steel trowel to 2-3mm thickness.

Internal Background:

- See Baunit Plaster and Finishes - Application Sheet

Do not apply or allow to dry under an air temperature of +5°C and falling or more than +30°C. Observe the guidelines stated in this document or refer to the Lime Technology office for further advice.