

# Baumit Plasters and Internal Finishes

## Application Sheet

### 1. Background General for all Renders

The background must be dry, solid, firm and free from dirt and dust. Use Baumit Stabiliser if the surface is friable.

### 2. Hints General for all Plasters and Finishes

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 spray.

### 3. Clay Bricks, Dense Concrete Blocks – Standard Substrate

#### Internal Background:

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

- Apply Baumit Lime Plaster RK 38, 10mm thick; rule flat, grid float to remove laitance and leave to dry.
- Mix with approximately 7-8 litres per bag. RK 38 can be manually or machine mixed and applied.
- Apply a finish coat of Baumit Internal Plaster Finish KG 30, 2-3mm thick smooth float finish or
- Baumit Lime Finish RK 70N, 2-3mm thick smooth or sponge finish or
- Baumit Decorative Textured Finish SEP (thickness depends on grain i e 1mm or 2mm).

#### External Background:

- See Baumit Renders and External Finishes Application Sheet.

### 4. Clay Bricks, Dense Concrete Blocks - Smooth Substrate

#### Internal Background:

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

- Apply Baumit Bonding Adhesive MC 55W, 2-3mm thick if surface smooth or painted then
- Mix with approximately 6-7 litres per bag. MC 55 can be manually or machine mixed and applied.
- Apply Baumit Lime Plaster RK 38, 10mm thick; rule flat, grid float to remove laitance and leave to dry.
- Mix with approximately 7-8 litres per bag. RK 38 can be manually or machine mixed and applied then.
- Apply a finish coat of Baumit Internal Plaster Finish KG 30, 2-3mm thick smooth float finish or
- Baumit Lime Finish RK 70N, 2-3mm thick sponge finish or
- Baumit Decorative Textured Finish SEP (thickness depends on grain i e 1mm or 2mm).

#### External Background:

- See Baumit Renders and External Finishes Application Sheet.

### 5. Historic Stone, Stone and Rubble or Brick - Substrate

#### Internal Background:

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

- Apply Baumit Lime Plaster RK 38 as a dubbing out coat to leave a level surface to receive basecoat then
- Apply Baumit Lime Plaster RK 38 10mm thick; rule flat, grid float to remove laitance and leave to dry.
- Mix Baumit Lime Plaster RK 38 with approximately 7-8 litres per bag.
- Apply a further coat of Limetec Lime Plaster RK 38 2-3mm thick sponge finished or
- Baumit Lime Finish RK 70N 2-3mm thick smooth or sponge finish

#### External Background:

- See Baumit Renders and External Finishes Application Sheet.

## 6. Aircrete Blocks- Substrate

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

Aircrete blockwork has 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 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 period (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".

### Internal Background:

- Apply Baumit Lime Plaster RK 38 in a minimum 10mm thickness; rule flat, grid float and leave to dry.
- After curing apply a finish coat Limetec of Limetec Internal Plaster Finish KG 30 2-3mm thick, smooth float finish or
- Baumit Lime Finish RK 70N 2-3mm thick smooth or sponge finish or
- Baumit Decorative Textured Finish SEP (thickness depends on the grain size i e 1mm, 2mm).

### External Background:

- See Baumit Renders and Finishes Application Sheet.

## 7. Hemcrete Wall - Substrate

### Internal background:

- Mix with approximately 7-8 litres per bag. RK 38 can be manually or machine mixed and applied.
- Apply Baumit Lime Plaster RK 38 10mm thick; rule flat, grid float to remove laitance and leave to dry.
- Apply a finish coat of Baumit Internal Plaster Finish KG 30 2-3mm thick smooth float finish or
- Baumit Lime Finish RK 70N 2-3mm thick smooth or sponge finish or
- Baumit Decorative Textured Finish SEP (thickness depends on grain i e 1mm or 2mm).

## 8. Render Carrier Boards - Substrate

Most internal render boards are smooth and should be treated as a painted surface.

### Internal Background:

- Apply Baumit Bonding Adhesive MC 55, 4mm thick as a basecoat in a "wet-in-wet", apply Limetec Meshcloth AG 01 with 100mm overlap the further 2mm application of MC 55, rule off and on stiffening grid float for finish coat.
- Leave to fully cure before applying topcoat (1 day per mm thickness).
- Apply Baumit Bonding Adhesive MC 55 as a topcoat 3mm thick and sponge finish as a level white finish.
- Mix with approximately 6-7 litres of clean water per bag.
- Apply a finish coat of Baumit Internal Plaster Finish KG 30 2-3mm thick smooth float finish or
- Apply Baumit Decorative Roughcast Finish SEP 01 with steel trowel to 2mm thickness.

### External Background:

- See Baumit Plaster and Finishes - Application Sheet