

Baumit RK 38 Lime Plaster

Product Datasheet

1. Product

Factory prepared dry powder mortar in accordance with EN 998-1. General purpose, pure lime internal plaster for manual and machine application.

2. Suitable Uses

Baumit RK 38 Lime Plaster is a natural hydraulic lime plaster for use as basecoats and finishing coat for all internal areas, onto most types of masonry and (see overleaf) rough cast concrete etc. Ideal for locations where building and human health issues are relevant and for historic conservation work.

Can be coated with lime and cement bound products such as decor plaster finishes, silicate plaster finishes etc, all conventional paints and wall tiles.

3. Composition

Sand, natural aggregates, natural hydraulic lime (cement free), and additives to improve workability and adhesion.

4. Performance

Baumit RK 38 Lime Plaster demonstrates the positive qualities required for the physical and biological considerations within the built environment. A healthier alternative to gypsum or cement based products, it can fulfill the function of a lime/cement based plaster. Suitable in areas subject to high humidity and impact loading, in place of cement bound plasters.

One material from the basement to the roof. Finishing options can be decided shortly before habitation.

5. Technical Data

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|--------------------------------------|----------------------------------|
| Mortar group: | CS II according to EN 998-1 |
| Grain size: | 0 – 0.8 mm |
| Compression strength: | 3.5 – 7.5 N/mm ² |
| Conductivity value ^{10,dry} | 0.93 W/mK (for P = 90 %) |
| (Tabled values acc. EN 1745) | 0.83 W/mK (for P = 50 %) |
| μ-value: | approx. 10 |
| Water requirement:: | 7 - 8 l/bag |
| Yield: | approx. 27 l/bag |
| Coverage: | approx. 1.3 kg/mm/m ² |

6. Packaging

Paper bags, bag content 35kg, (36 Bag per pallet = 1260 kg)

7. Storage

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

8. Quality Assurance

The 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.

9. Health and Safety

See separate Health and Safety datasheet

10. Background

The background should be stable, dust and dirt free, and able to receive a coating. Basecoats should be fully cured. Smooth concrete surfaces to be treated with a bonding mortar, for example Baumit MC 55W Bonding Adhesive.

Highly absorbent backgrounds to be dampened with water.

Damp or dissimilar backgrounds present an increased risk of cracking, therefore use Baumit RK 39 Universal Render Basecoat as a basecoat in these situations.

11.0 Application

11.1 Mixing

Baumit RK 38 Lime Plaster can be manually applied, small amounts being mixed with an electric hand mixer. A more economical application can be achieved using mortar mixing pumps or continuous mixers. Use only clean water, without admixtures.

11.2 Application

When used as a basecoat the minimum thickness should be 10 mm. As a finishing coat 3mm is sufficient. For overall basecoat thicknesses > 20 mm or other unfavourable circumstances, additional coats can be applied. Each coat should be roughened up on stiffening using a grid float or similar and curing time (1 day per mm render thickness) observed, before applying the following coat. This is particularly important by low temperatures as these slow down the curing process!

To counter rapid drying from strongly absorbent backgrounds, apply the basecoat in two stages -wet in wet-.

12. Hints

In the case of thinly applied coats or rapid dehydration, dampen the finished work with water at regular intervals.

Do not apply or allow to dry under an air or wall temperature of +5°C and falling.