

# Baunit Coloured Render Topcoat KRP

## Product Datasheet

### 1. Product

Factory prepared dry powder render in accordance with EN 998-1, mineral based in natural white, or coloured thick topcoat render, for manual and machine application.

### 2. Suitable Uses

Baunit Coloured Render Topcoat KRP is a thick coat coloured render finish applied directly onto all standard mineral basecoats such as Limetec Universal Render K 39, Baunit Insulation Render DC 56, Limetec Salt Retention Render SP 64W and the reinforced meshing thin coat render Baunit Bonding Adhesive MC 55. For producing a scratched textured finish in normal external and internal areas and also areas subject to high humidity.

Part of the Limetec Baunit External Wall Insulation System.(EWIS)

### 3. Composition

Crushed limestone, lime, white cement, and additives to improve workability and adhesion. Coloured finishes contain additional light fast pigments.

### 4. Performance

Workable, mineral, machine applicable Baunit Coloured Render Topcoat KRP gives varying texture effects due to the different grain sizes, 2mm, 3mm 4mm. Once hardened, it is water vapour and CO<sub>2</sub> permeable, frost resistant, non-combustible and weather resistant with especially low staining tendencies due to the effectively increased surface area.

### 5. Technical Data

Render group:	CS II acc.to EN 998-1
Compression strength:	1.5 – 5.0 N/mm <sup>2</sup>
μ-value:	10 – 15
Absorption rate:	W 2 (EN 998-1), water-repellent
Conductivity value $\lambda_{10,dry}$ (Tabled values acc. EN 1745)	≤ 0.93 W/(mK) (P = 90 %) ≤ 0.83 W/(mK) (P = 50 %)
Conductivity value $\lambda_R$	1.0 W/(mK)
Maximum thickness	2/3 x grain size after texturing

Product	KRP 02
Grain size [mm]:	0-2
Water requirement l/Bag:	6-7
Yield approx. [kg/m <sup>2</sup> ]:	12

### 6. Packaging

Paper bags, bag content 25 kg, (42 Bags per pallet = 1050 kg)

### 7. Storage

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

### 8. Quality Assurance

The product undergoes 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 & Safety datasheet

## 10. Background

The background should be dry, stable, dirt dust and frost free, and able to receive a coating. Baunit Universal Render K 39 or other Baunit renders should be fully cured, flat, dry with the surface roughened. Remove any peeling paint, lime wash, grease stains (from shuttering) and other contaminants and film forming layers.

Smooth concrete surfaces, should be treated with a suitable bonding coat (for example Baunit Bonding Render MC 55).

Highly absorbent basecoats to be treated with Baunit Render Primer DG 27 (undiluted onto gypsum backgrounds).

Backgrounds derived from wood including plasterboard should be treated with a suitable primer to prevent staining. Friable basecoats are to be treated with Baunit Stabiliser.

## 11. Application

### 11.1 Mixing

The water addition is approx. 5.5-6.5 litres per bag. Use only clean water, without admixtures. Do not mix with other materials. Baunit Coloured Render Topcoat KRP can be manually mixed in a bucket or tub, depending on quantity, using an electric hand mixer. Fill the bucket to a third full with water. Gradually add the open KRP bag to the water while mixing, until a workable, lump-free consistency, is achieved. More water and material may be added as necessary. Render mixing pumps or continuous mixers provide a more efficient mixing and application of the coloured render topcoat. Keep tools, tubs and machines clean.

### 11.2 Application

The application thickness must be planned so that after scratching, a layer thickness 2-3 times the grain size is left.

Baunit Coloured Render Topcoat KRP is applied with a steel trowel but must be ruled off with a toothed straight edge to avoid working air into the render. When the Coloured Render Topcoat is ready, depending on weather conditions, it is textured with a spiked float, causing the grain to spring from the surface.

Baunit Coloured Render Topcoat KRP can be directly applied onto Baunit Universal Render K 39 basecoat and other Baunit render basecoats. The base coat must be sufficiently cured (min. standing time 10 days) and the surface roughened with a grid float to receive Coloured Render Topcoat KRP.

Plan and carry out the application systematically to avoid scaffold lines.

### 11.3 Hints

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

In the case rapid dehydration, dampen the finished work with water at regular intervals.

High humidity and low temperatures can increase curing times considerably.

Stainless steel plaster beads should not be fixed with gypsum products. Use Limetec Adhesive AM51.

Clean tools with clean water.

Protect other materials such as glass, ceramics or metal etc from contamination with appropriate coverings.

**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 this document or refer to the Lime Technology office for further advice.**