



# Granomin KR

Mineral thin coat decorative render

## Field of Application

Granomin KR is used as a decorative façade render on all mineral surfaces, interior and exterior. It can also be used as a finishing render on Granol'therm EWI systems.

## Composition

Cement-based render according to DIN 18557 with properties as the P I C mortar group, water-repellent, according to DIN 18550. It is a factory-mixed blend of binders, graded sands, additives and admixtures.

## Colours

The range offers a wide variety of colours in line with our samples. Sample colours are to be selected from our 48 Granicem colours card. Special colour shades can be made upon request. On EWI systems it is prohibited to use colours with a brightness value below 20. Colour variations in the rendered surface cannot be avoided due to the use of natural raw materials and drying processes influenced by environmental influences. We, therefore always recommend the use of at least 1 coat of equalizing paint (Granosil'color). For subsequent deliveries, previous deliveries must be continually mixed with the new material to guarantee uniformity of colour.

## Characteristics

Non-flammable building material class A according to DIN 4102, water vapour-open, weather-resistant, does not swell, hydrophobized. On the basis of the advantageous E-modulus, it offers the best possible protection against crack damage.

## Preparation substrate

Granomin KR adheres to all load-bearing mineral surfaces. Surfaces should be clean and dry and free from surface dust, mortar remains, atmospheric pollutants, etc. A Granol'plus STG primer is applied to this pre-treated surface. The conditions of DIN 18550 and VOB, part C (in each case the latest versions) must be observed. If in doubt about the surface consult our technical department.

## Application

In case of a manual application, each bag of dry mortar is intensively mixed with 6 - 7 litres of clean water. Constant mixing time and consistency must be ensured to guarantee a uniform as possible colour and texture of the render. After a waiting time of approx. 5 minutes the product needs to be mixed again.

Application takes place with a high-grade stainless steel plasterer's trowel or with a spraying device suitable for the grain thickness. Then the render is structured with a plastic plasterer's trowel.

The open time is approx. 2 hours.

Granomin KR can also be applied with most of the available plastering machines on the market. The manufacturer's instructions must be followed.

To prevent day joints, the labourers must treat the adjacent surfaces on the scaffold working above each other "wet in wet". On larger surfaces, it is advisable to continue plastering up to the end of a section (joints, recesses, drainpipes, etc.).

The patchy or cloudy drying of the coloured top plaster layer due to varying ambient conditions cannot be excluded and is therefore not a material fault. Apply equalizing paint (Granosil'color) to prevent colour variances.

Protect the fresh plaster against rain and fast drying. Measures such as providing sheeting to protect the façade or scaffolding are particularly necessary with direct sunlight and wind. Do not apply with surface and/or ambient temperatures below + 5° C or above +30°C. Clean tools and equipment with water immediately after use. Carefully cover surroundings such as windows, window sills, etc.

## Post-Treatment

Granomin KR consists of natural sands. By their nature, they can exceptionally contain small natural contaminations. As good practice, we always advise adding two layers of Granosil'color in strongly exposed regions. We refer to the technical data sheet of our Granosil'color for more information regarding the application.

## Consumption

Grain size: 2.0 mm ca. 3.0 kg/m<sup>2</sup>

Grain size: 3.0 mm ca. 4.0 kg/m<sup>2</sup>



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## Technical data

Density of solid mortar:	ca. 1.45 kg/dm <sup>3</sup>
Compression strength:	> 1 N/mm <sup>2</sup>
Water absorption coefficient	$W \leq 0.5 \text{ kg}/(\text{m}^2\text{h}0.5)$
E-mode (dynamic):	ca. 2500 N/mm <sup>2</sup>
Heat conductivity:	0.87 W/(mK)
Water vapour diffusion resistance number:	30

## Packaging

In 25 kg paper bags stacked on Europallets.  
Store the material in a dry place.

## Remarks

New buildings must be able to continue to dry out after the commencement of the insulation work so that colour differences in the finishing plaster due to excessive moisture migration to inside or outside are avoided. Mixing with additional binders or additives is not allowed.

## Disposal

Only present bags with all material residues removed for recycling (free of material dust). Dispose of hardened material residues as mixed building and demolition rubble in an environmentally-friendly way. EAK 17 09 04