

Light Mineral Plaster

Mineral-Leichtputz

**KR scraped finish plaster structure / R grooved plaster structure
in ETIC system non-combustible A2 /
hardly inflammable B1 according to DIN 4102**

Properties

Dry mortar made of standardized mineral bonding agents, light mineral additives (different grain sizes) and special treatments. Corresponds to plaster mortar group PII as per DIN 18 550. Very adhesive on mineral substrates, easy to apply, long open time and very water-vapor diffusible.

Tested as top coat in Brillux ETIC system, non-combustible A2 as per DIN 4102 in combination with ETICS mineral wool insulation boards and hardly inflammable B1 as per DIN 4102 in combination with ETICS hard foam insulation boards.

Field of application

For obtaining decorative, weather-resistant, mineral surfaces in Brillux ETIC systems I, II, III, IV and V in combination with ETICS Powder Adhesion 3550, ETICS Powder Adhesion VZ 3600 or ETICS Gluing and Reinforcing Mortar L 3500. Can also be used on level, mineral substrates, e.g. plasters of MG PII, PIII.

Material description

Standard color: 0095 white. Other colors available upon request.

Material basis: standardized mineral bonding agents

Bulk density: approx. 1.2 g/cm³ (scraped and grooved finish)

Types: see table on page 2

Packaging:

25 kg sacks,
1,200 kg silo,
600 kg Big-Bag

Use

Addition of water

In the case of KR (scraped plaster finish)

approx. 7 to 8 liters per 25 kg sack.

In the case of R (grooved plaster structure)

Approx. 7 liters per 25 kg sack. Add the same amount of water to each mixture, i.e. ensure uniform consistency

Tinting

No tinting.

Compatibility

Do not mix with other materials.

Mixing

Using a high-power agitator (min. 900 W) and a right handed spiral or continuous flow mixer, mix light mineral plaster and water until a clot-free, paste-like mortar is obtained. Allow to mature for approx. 10 minutes, stir again briefly and apply within 2 hours.

Application

Using a stainless steel smoothing tool, apply the mixed plaster level to grain size and float surface using Plastic Smoothing Tool 3791 or Polyurethane Float 3781.

To avoid visible joints, apply plaster wet in wet. In the case of large surfaces, use a sufficient number of workers for this reason.

Light Mineral Plaster KR / scraped plaster finish can also be applied using suitable worm conveyors and mixing pumps, or conveyed dry by suitable conveyor systems.

Light Mineral Plaster R / grooved plaster finish cannot be applied using machines.

Types, structure and consumption

Type	Structure 2)	Grain size	Consumption 1)
Light Mineral Plaster KR K2 3664	scraped plaster finish	K 2	approx. 2.3 to - 2.5 kg/m ²
Light Mineral Plaster KR K3 3622	scraped plaster finish	K 3	approx. 2.7 to - 2.9 kg/m ²
Light Mineral Plaster KR K4 3669	scraped plaster finish	K 4	approx. 3.7 to - 3.9 kg/m ²
Light Mineral Plaster KR K5 3632	scraped plaster finish	K 5	approx. 4.6 to - 4.8 kg/m ²
Light Mineral Plaster R K2 3660	grooved plaster finish	K 2	approx. 1.7 to - 1.9 kg/m ²
Light Mineral Plaster R K3 3621	grooved plaster finish	K 3	approx. 2.2 to - 2.4 kg/m ²
Light Mineral Plaster R K4 3670	grooved plaster finish	K 4	approx. 2.7 to - 2.9 kg/m ²
Light Mineral Plaster R K5 3626	grooved plaster finish	K 5	approx. 3.2 to - 3.4 kg/m ²

¹⁾ Without losses (e.g. transport / shrinkage). Determine exact consumption by way of a test application on the object.

²⁾ Light Mineral Plaster R / grooved plaster finish cannot be applied using machines.

Application temperature

Do not apply if the air and object temperature is lower than +5 °C or higher than +30 °C (also during curing time).

Tool cleaning

Immediately after use (with water)

Drying

(+20°C, 65 % rel. Humid.)

Can be coated with Silicate Finish 1811 after approx. 5 days. In the case of lower temperatures and/or higher atmospheric moisture, allow for longer drying time.

Storage

Cool, dry and frost-free. Use material within 12 months.

Declaration

Water pollution classification
WGK 1, according to VwVwS.

Product code

ZP1.

Comply with the specifications in the current safety data sheet

Building up the coating
Surface preparation

The substrate must be level, solid, dry, clean, load bearing, saponification-resistant and free from any efflorescence, sintered layers and separating agents. Penetration of moisture behind the plaster, e.g. through joints, cracks, etc. must be excluded. Check existing coats for their bearing capacity. Remove defective and unsuitable coats thoroughly and dispose of them as per the applicable regulations. Thoroughly clean areas affected by fungal and algae attack and treat with Universal Fungicide 542. Remove non-bearing mineral coats, e.g. lime and silicate paint coats, mechanically. Coat reinforcement layers after allowing them to cure and dry properly (at least 3 days, with +20 °C, 65 % r.m.). Level the uneven substrates using mineral mortar, e.g. plaster of plaster mortar group PII. Also refer to VOB Part C, DIN 18 363, Par. 3.

Substrates	Prime coat	Intermediate coat	Top coat 1)
Reinforcement layers, e.g. in Brillux ETIC systems with ETICS Powder Adhesion 3550, ETICS Powder Adhesion VZ 3600 or ETICS Adhesion And Reinforcement Mortar L			Light Mineral Plaster KR or R, graining as required
untreated, normally and low-absorbent mineral plaster (MG PII, PIII)			
highly absorbent substrates, e.g. old plaster	depending on requirements, Lacryl Deep Penetrating Primer 595 or Solvent Deep Penetrating Primer 545	Plaster Primer 3710	

¹⁾ In the case of colored coating, always apply a leveling coat using Silicate Finish 1811 in color of plaster.

Note

Light Mineral Plaster KR or R cannot be supplied with film preservation against algae and fungal attack. To protect the coating against algae and fungal attack, we recommend applying a leveling coat using Silicate Finish 1811 in "Protect Quality".

Cover adjacent areas thoroughly, in particular glass, clinker brick and natural stone.

Connected surfaces should be coated using material from the same production batch only. Alternatively prepare the required quantity directly on site.

Depending on the weather conditions, mineral, hydraulically hardening plasters may have a "cloudy shadowy" surface appearance when dry. This is no technical or functional defect and must not give rise to any complaints for this reason.

To obtain a uniform surface, we recommend applying an additional leveling coat. This should be done in any case in the case of colored plaster coats.

The leveling coat can be applied as soon as the plaster has cured sufficiently, i.e. after approx. 5 days (depending on weather conditions).

For colored design of white plasters, two coats of Silicate Finish 1811 are required.

The additives used in the plasters are natural products which may be visible as slightly darker structural grains. This is a typical character and natural feature of plaster coats. This is no technical or functional defect and must not give rise to any complaints for this reason.

During processing, drying and hardening, the surfaces should be protected against sun impact, strong wind and moisture impact, e.g. by covering them with a tarpaulin.

If using the material below ground level, e.g. skirting, basements, always take additional protection measures.

Do not use plaster coats on horizontal surfaces. Projecting components, e.g. window sills, moldings, crests of walls must be covered properly to prevent dirt stains and penetration of moisture.

Colored top coats with or on Light Mineral Plaster in ETIC system shall have a brightness reference value ≥ 20 .

Also comply with the information given in the data sheets of the other products used.

Additional products

- Plaster Primer 3710
- Silicate Finish 1811

Remark

This Data Sheet was prepared taking into account the German laws, Standards, specifications and Codes of practice. All details were translated on the basis of the current German version. The contents do not form part of a legal contract. The user/purchaser is not released from the responsibility of checking that our products are suitable for the proposed use. In addition our general business conditions apply.

When a new version of this Data Sheet appears with updated information the previous version loses its validity.

Brillux
Postbox 1640
48005 Münster
Tel. +49 (0) 2 51 / 71 88 - 0
Fax +49 (0) 2 51 / 71 88 - 105
www.brillux.com
www.brillux.de
info@brillux.de