



## P245a.rs



Facade systems

04/2019

## Knauf Klebspachtel M

Mortar for gluing, reinforcing and smoothing stone mineral wool boards and lamellas.

### Product description

Factory prepared, tested in the system, mineral mortar intended for gluing, reinforcing and smoothing stone mineral wool boards and lamellas.

#### Composition:

Cement, hydrated lime, graded limestone, rock flour, special fibres, additives for workability, adhesion and water repellency.

#### Delivery method:

25 kg bag      product no. 590257

#### Storage:

Store the bags on wooden pallets in a dry place.

#### Quality:

The product is subject to permanent quality control and bears the CE mark. Use the material within 12 months from the date of production.

#### Area of application:

System tested mortar for:

- Bonding of stone mineral wool insulation boards in contact facade systems
- Reinforcement and smoothing of stone mineral wool insulation boards in contact facade systems
- Gluing, reinforcing and smoothing stone mineral wool lamellas

### Properties

- Mortar GP according to SRPS EN 998-1
- Compressive strength class CS IV according to SRPS EN 998-1
- Fire resistance class A1
- Excellent adhesion and workability
- Vapour-permeable
- For manual or machine application
- Granulation 0.3 mm
- Gray

### Execution

Surface on which mortar is applied	Surface preparation
Non-bearing surfaces	Remove all non-load-bearing layers
Uneven surface with cavities	Fill and level the cavities with suitable mortar for external use
New full, normally-absorbent brick, new normally-absorbent brick block	No preparation is required before gluing
Concrete surfaces	If necessary, dust and clean the surface with pressurized water and wait for it to dry completely
Load-bearing old mortars	Apply Knauf Grundol foundation and wait for it to dry

#### Preparatory works

The surface on which the mortar is applied must be dry, dusted, degreased, load-bearing, even and free of residues that reduce the adhesion of the mortar. External surfaces exposed to atmospheric influences are protected from precipitation and direct sunlight. Before applying the mortar, prepare the surface in accordance with the above table "surface preparation".

#### Preparation of materials

Add the contents of the bag (25 kg) to 6.0 l of clean water and mix until the material is completely homogenous. After that, leave the prepared material to stand for 10 minutes and stir once more. The material prepared in this manner is ready for use. Adjust the consistency as needed by adding water or powder. The open time for mortar in the bucket is approx. 2 hours. Clean the tools using water immediately after use.

#### Execution

##### Mortar for gluing:

Klebepachtel M is applied to stone mineral wool boards in the form of strip, 5 cm wide and 2 cm thick, on the edge of the board surface and three places in the middle in the form of "loaves". Previously, Klebepachtel M should be applied to places on which mortar for gluing is applied or entire surface of the board, in order to impregnate it. During gluing of stone mineral wool boards, at least 40% of the board surface must be covered by glue. Immediately after applying the adhesive mortar, install the thermal insulation boards on the wall. After placing the tiles on the wall, wait at least 48 hours before further work.

#### Reinforcing and smoothing mortar:

At all openings in the facade walls, on the corners, at a 45° angle, install (immerse in Klebepachtel M mortar) a reinforcing mesh with the dimensions of ca. 30 x 50 cm. Then apply the Knauf Klebepachtel M reinforcement adhesive over the entire surface of the facade with a notched trowel (tooth size 8 mm) and press the Knauf reinforcement mesh. The mesh must be folded at ends min. 10 cm, placed in the upper third of the total layer of the adhesive mortar. The reinforcement mesh must be completely covered with Klebepachtel M. reinforcement mortar. After 24 hours at the earliest, the entire facade surface can be smoothed with the same material. The total thickness of the reinforcement and smoothing layer must be from 4 to 6 mm.

#### Work temperature

The material should not be applied at air and substrate temperatures below +5°C and higher than + 25°C. Protect the freshly applied mortar from draft, fast drying and frost.

#### Special notes

Mix the mortar exclusively with clean water and without adding additives. Clean equipment and tools with water immediately after use.

#### Safety instructions

See safety data sheet for safety notes

### Technical data SRPS

#### EN 998-1

	Value	Test standard
Flammability	A1	EN 13501-1:2010
Granulation	0.3 mm	-
Compressive strength class	CS IV	EN 1015-11
Adhesion strength	≥ 0.08 N/mm <sup>2</sup>	EN 1015-12
Water vapour diffusion resistance coefficient $\mu$ :	≤ 25	EN 1015-19
Thermal conductivity coefficient $\lambda_{10,drv}$		EN 1745
P = 50 %	≤ 0.82 W/(m·K)	
P = 90 %	≤ 0.89 W/(m·K)	
Capillary water absorption category:	W2	EN 1015-18

The technical data in this table is determined according to the applicable standards. Due to the construction site conditions, minor deviations are possible.

**Consumption of materials**

	Application thickness mm	Consumption kg/m <sup>2</sup>	Yield m <sup>2</sup> /bag	Yield m <sup>2</sup> /bucket
Gluing	-	ca. 6.0	ca. 4.2	ca. 166.7
Reinforcement and smoothing	4 - 6	7.0 – 9.0	3.6 – 2.8	142.8 – 111.1

*All consumption data is approximate and may vary depending on the surface on which the material is applied. Determine the exact consumption on the construction site.*

**Production program**

Klebspachtel M	Packaging	pcs / pallet	Product no.	EAN code
Bag	25 kg	54 bags/pallets	590257	8606107878829



**Pay attention to the safety data sheet!**  
 Safety data sheet and CE marking are available at  
[www.knauf.rs](http://www.knauf.rs)

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