

Polyurethane binder for natural stone and decorative quartz linings, elastic

Characteristics

HADALAN® BM2K 12P is a 2-component elastic polyurethane resin. It hardens with the atmospheric humidity and forms a bonding agent film with very good weathering and abrasion resistance. The especially dense film surface develops very easy-to-clean linings with low soiling tendencies.

- Elastic
- Solvent-free
- Transparent
- Light-resistant

Use

HADALAN® BM2K 12P serves as an outdoor binding substance for elastic spatula-applied coatings of natural stones or decorative quartz. In combination with **HADALAN® MST 89M**, drainage-capable and decorative useful layers are created.

- Balconies
- Patios
- Loggias
- Access walkways

Specifications

Packaging	Metal canisters
Container	20 kg
Comp. A	10 kg
Comp. B	10 kg
Mixing ratio	1 : 1 parts by weight
Processing temperature	+8 °C to +30 °C
Processing time ¹⁾	approx. 20 minutes
Density ¹⁾	1.15 kg/L
Viscosity ¹⁾	approx. 5.2 dPa.s
Elongation at rupture ¹⁾	approx. 220%
Colour shade	Transparent
Proportion of solids	approx. 100%
Walkable with care ¹⁾	after approx. 8 hours
Fully hardened and resilient ¹⁾	after approx. 7 days

Compressive strength

7% - BM2K 12P on - MST 89M	approx. 7.9 N/mm ² aft. 7d
7% - BM2K 12P on - DQ0308 89M	approx. 10.1 N/mm ² aft. 7d
7% - BM2K 12P on - DQ0712 89M	approx. 16.6 N/mm ² aft. 7d

Bending tensile strength

7% - BM2K 12P on - MST 89M	approx. 5.0 N/mm ² aft. 7d
7% - BM2K 12P on - DQ0308 89M	approx. 6.2 N/mm ² aft. 7d
7% - BM2K 12P on - DQ0712 89M	approx. 6.0 N/mm ² aft. 7d

Storage

6 months

Quantity required

As a binding substance for - MST 89M (2-4 mm)	approx. 7% by weight
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¹⁾ At +20 °C and 60% relative atmospheric humidity.

Preparation of the surface

The substrate must be dry, stable, free of separating agents and free of oils, greases and loose components. Before installing the coating, the substrate must be primed with a suitable system primer (e.g. **HADALAN® EPUni 12E**) over the entire area.

Application

1. Incorporate the hardener component completely into the resin component. Mix the components homogeneously with a slow-running stirring tool (approx. 400 rpm) with a stirring paddle. The mixing time is at least 2 minutes. Subsequently move the material into a clean mixing vessel. Then add the corresponding filler (e.g. **HADALAN® MST 89M**) and mix again. Mix **HADALAN® MST 89M** (2–4 mm) with 7% by weight of **HADALAN® BM2K 12P**.
2. Applying an adhesive layer is not necessary if properly primed with quartz-sand scattering.
3. The mixture substances are distributed coarsely with a trowel in the desired layer thickness and then compressed and evened with a smoothing trowel. When using **HADALAN® MST 89M (2–4 mm)**, the average middle layer thickness is approx. 8 mm.
4. When using fine decoration quartz grain sizes, the smoothing work can be significantly improved by cleaning the tools with **HADALAN® EPV 38L** at intervals in between.
5. The surfaces can be walked on carefully after approx. 8 hours. They are capable of taking the full load after approx. 7 days.
6. The operating equipment can be cleaned in the fresh state, just after use, with **HADALAN® EPV 38L**. After the hardening is complete, cleaning is only possible mechanically.
7. For cleaning and care, see the care instructions for **HADALAN®** natural stone putty coverings.
8. When using in the **HADALAN®** balcony system, comply with the “Renovating, coating and decorative design with **HADALAN PUR®** liquid plastics“ processing instructions.

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HADALAN® EPUni 12E
HADALAN® EG145 13E
HADALAN® DS91 13P
HADALAN® MST 89M
HADALAN® DQ0308 89M
HADALAN® DQ0712 89M
HADALAN® EPV 38L
HADALAN® EBG 13E

Important notes

- Maintain the processing temperature of +8 °C to +30 °C (air and substrate). When processing above +30 °C there is a danger that the bonding agent will run off the stone surface. That reduces the durability of the lining system.
- Direct and strong sunlight must be avoided. If required, shading must be provided.
- **HADALAN® BM2K 12P** reacts to humidity. For that reason, the material must be protected from humidity until it has completely hardened. The substrate's surface to be coated must be dry.
- High temperatures accelerate and low temperatures delay the progress of hardening.
- Adhere to consumption data. Deviations can result in shading in the surface.
- Excessive dosing of the bonding agent can lead to the formation of bubbles and cavities.
- The stated additive volumes apply to **HADALAN® MST 89M, -DQ0308 89M, and -DQ0712 89M**. Perform preliminary tests if other grain sizes are used.

Ingredients

Polyurethanharz, Hilfsstoffe

Safety provisions/recommendations

Information regarding the safety during transport, storage and handling are included in the updated safety data sheet.

Disposal

The local waste removal regulations must be observed.

Manufacturer

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