

## Polyurethane binder for natural stone and decorative quartz linings

### Characteristics

**HADALAN® BM1K 32P** is a 1-component elastic and light-resistant polyurethane resin. It hardens with the atmospheric humidity and there results a bonding agent film with very good weathering resistance and abrasion resistance.

- High elasticity
- Open to diffusion
- Crack-bridging
- Light-resistant
- Transparent

### Use

**HADALAN® BM1K 32P** is added to natural stones or decorative quartz and this results in light-resistant, visco-plastic, abrasion resistant decoration linings for balconies and terraces, for slip-resistant construction of stairs and plat-forms in the outdoors.

### Areas of application:

- Balcony and terrace surfaces
- Access walkways, outdoors stairs
- Concrete and screed surfaces
- Cladding

### Specifications

Packaging	tin bucket
Barrel	5 kg
Delivery form	72 barrels/pallet
Processing temperature	+8 °C to +30 °C
Processing time <sup>1)</sup>	> 60 minutes
Density <sup>1)</sup>	1.04 kg/l
Viscosity <sup>1)</sup>	approx. 45 dPa.s
Elongation at rupture <sup>1)</sup>	> 400 %
Max. tensile strength <sup>1)</sup>	> 12 N/mm <sup>2</sup>
Cold breaking point	< -40 °C
Proportion of solids	approx. 80 %
Storage	cool, 6 months

### Quantity required

As adhesive layer	approx. 0.15 kg/m <sup>2</sup>
As bonding agent for <b>-MST 89M</b> (2-4 mm)	approx. 1 kg/15 kg <b>-MST 89M</b>

<sup>1)</sup> At +20 °C and 60 % relative atmospheric humidity.

## Preparation of the surface

**HADALAN® DS91 13P** is used as substrate for spatula-applied coverings. The correct coating intervals must be adhered to. Before starting the coating work, the surface of the sealing layer coat must be free of dust and dry.

## Application

1. The desired colour mixture of natural stones or decorative quartz is mixed with 6 - 8 % (depending on grain size) **HADALAN® BM1K 32P**. To do so, the bonding agent is mixed intensely with the granulation with a slow-rotating stirrer and agitator (approx. 400 rpm). Then, the mixing material is refilled and once again stirred briefly.
2. At the same time, an adhesive and gluing layer of **HADALAN® BM1K 32P** is coated on the existing, dry waterproofing. The coating is applied with a mohair roller.
3. On the fresh adhesive layer, the mixture substances are distributed coarsely with a trowel and then compressed and evened with a smoothing trowel. If natural stones are being used, the middle coat thickness is about 8 - 10 mm.
4. To simplify the smoothing work, the tools are cleaned at short intervals with **HADALAN® EPV 38L**.
5. The surfaces can be carefully walked upon on the next day. They are capable of taking the full load after approx. 7 days.
6. The cleaning of the operating equipment can be done 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 linings.

## hahne system products

HADALAN® EG145 13E  
HADALAN® PUR Top 32P  
HADALAN® EPV 38L  
HADALAN® MST 89M  
HADALAN® DQ0712 89M  
HADALAN® DS91 13P

## Important notes

- Maintain the processing temperature of +8 °C to +30 °C.
- **HADALAN® BM1K 32P** is humidity-reactive. Therefore, these materials must be protected from humidity till they are completely hardened. The substrate to be coated must be dry on the surface.
- High temperatures accelerate and low temperatures delay the progress of hardening.
- Adhere to the coating intervals.
- Comply with the usage specifications. Deviations can result in shading in the surface.
- Use **HADALAN® EPV 38L** exclusively as a thinner and cleaner.
- The substrate temperature must be at least 3 °C above the dew point temperature.

## Ingredients

Polyurethane resin, solvent, auxiliary materials

## 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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