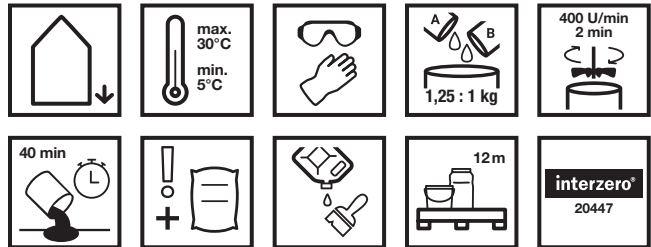




# HADALAN® TB 12E

Twin binder for paving sand and drainage screed



These pictograms apply to the **basic product**.  
Deviations are possible depending on the area of application  
and processing.

## PRODUCT INFORMATION

### Description

HADALAN® TB 12E is a 2-component special binder for the production of paving joint and drainage mortars.

### Application

- for repointing and repairing slab and clinker coverings as well as natural stone and concrete paving
- as a binder for the production of drainage and bedding mortar
- layers created with HADALAN® TB 12E and quartz gravel 2-3 mm prevent water accumulation and waterlogging under coverings

### Operational area

- Terraces, footpaths, pedestrian zones
- Surfaces with light to medium traffic load with suitable substructure
- Ceramic and natural stone coverings

### Place of use

- in outdoor areas
- in floor areas

### Properties

- frost and de-icing salt-resistant
- easy to process
- high strength
- permeable to water



## Technical Data

Available container sizes	1.8 kg/set
Colour	colourless
Density, ready to use	approx. 1.08 kg/l
Processing temperature	+5°C to +30°C
Processing time	approx. 40 minutes <sup>1)</sup>
Walkability	after approx. 12 hours <sup>1)</sup>
Resilience	fully loadable after approx. 3 days <sup>1)</sup>
Joint width	≥ 5 mm
Joint depth	≥ 30 mm
Compressive strength	(with quartz gravel 2-3 mm after 14 days) approx. 15 N/mm <sup>2</sup>
Flexural strength	(with quartz gravel 2-3 mm after 14 days) approx. 4.5 N/mm <sup>2</sup>
Storage	dry and cool, 12 months
Consumption	approx. 0.75 kg/m <sup>2</sup> per cm of drainage screed thickness
<sup>1)</sup> At +20 °C and 60 % relative humidity	

## SUBSTRATE

### Properties/tests

- The substructure must be designed in such a way that the surface to be grouted can absorb the expected loads, e.g. bedding in drainage-compatible mortar.
- To avoid frost damage, the formation of standing water must be ruled out.
- The relevant regulations for laying paving surfaces must be observed.
- The joint edges must be clean and dry. The minimum joint width is 5 mm, the minimum joint depth is 30 mm.
- For use as a drainage mortar, the substrate must be sufficiently firm and free of any components that could reduce adhesion.

### Preparation

- The surfaces must be sufficiently pre-wetted, possibly the day before in the case of highly absorbent materials. Before starting work, apply a water mist once again and remove any standing water, e.g. in the joints.

## AREAS OF APPLICATION AND PROCESSING

### Applying

- Mix resin and hardener component homogeneously.
- Add the mixed components completely to the sand mixture and mix for at least 2 minutes with a whisk.
- Fill the plastic containers of the resin/hardener components with a total of 2 liters of water and add to the mixture. Then mix thoroughly for 2 minutes.
- The finished homogeneous mortar is spread over the prepared and well pre-wetted paving surface using a rubber squeegee.
- After setting (approx. 50 minutes, mortar should have reached an earth-moist consistency), the paving surface is swept with a medium-hard, damp broom. Clean the broom from time to time.
- Do not apply swept mortar residue to open joints. The surfaces must be cleaned carefully, as components that have not been removed can only be removed mechanically after setting. To assess the appearance (in the case of open-pored or sensitive stones), it is recommended that a sample surface is created.
- **Processing as a binder for drainage mortar:**  
HADALAN TB 12E can be used as a binder for drainage concrete and bedding mortar. We recommend quartz gravel 2-3 mm for this purpose. If other grain sizes are used, a test surface must be created. Mix components A and B in a suitable container. Mix quartz gravel 2-3 mm with 5 % binder (1.25 kg binder per 25 kg) homogeneously using a suitable stirring tool. Spread and compact the material. The minimum application thickness is 10 mm.



#### ■ **Drying / Follow-up work**

- The surfaces should not be walked on for 12 hours and should be protected from rain and moisture.
- The surfaces are fully loadable after 3 days.

### NOTES

#### ■ **Cleaning**

- Clean tools immediately after use with HADALAN EPV 38L.

#### ■ **System products**

- Quartz gravel 2 – 3 mm

#### ■ **To be observed**

- Maintain a processing temperature of +5 °C to +30 °C.
- Create a sample surface.

#### ■ **Ingredients**

- Epoxy resin dispersion
- Additives

#### ■ **Occupational safety / Recommendation**

- Further information on safety during transportation, storage and handling can be found in the current safety data sheets.

#### ■ **Disposal**

- The following applies to all systems: Only return empty containers to recycling partner Interseroh. Cured material residues can be disposed of in accordance with EWC code no. 08 01 11 (paint and varnish waste containing organic solvents or other hazardous substances).

#### ■ **Producer**

**Sievert Baustoffe SE & Co. KG**  
Mühlenschweg 6, 49090 Osnabrück  
Tel. +49 2363 5663-0, Fax +49 2363 5663-90  
[hahne-bautenschutz.de](mailto:hahne-bautenschutz.de), [info-hahne@sievert.de](mailto:info-hahne@sievert.de)

The statements are made based on extensive tests and practical experiences. They cannot be applied to every application case. Therefore, we recommend carrying out application trials if necessary. Subject to technical changes in the course of further development. Furthermore, our General Terms and Conditions of Business apply.