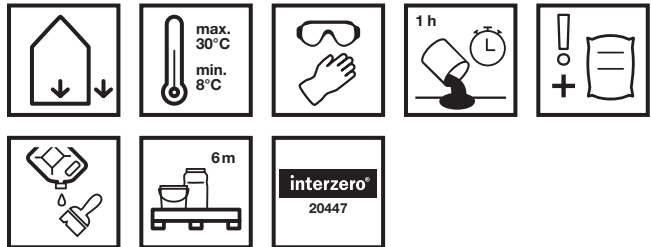




HADALAN® LF68 12P

Polyurethane binder for natural stone and decorative quartz coverings



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

PRODUCT INFORMATION

Description

HADALAN® LF68 12P is a 1-component, rigid and lightfast polyurethane resin binder. It is odorless, hardens with air humidity and forms a binder film with very good weather resistance and abrasion resistance. Due to the particularly dense film surface, very easy-to-clean coverings with low soiling tendency are created.

Application

- mixed with HADALAN MST 89M or HADALAN DQ0712 89M produces lightfast, rigid, abrasion-resistant decorative coverings for indoor and outdoor use
- as a binder for sand fractions for the production of drainable grout
- for binding gravel in gardening and landscaping

Operational area

- Sales, exhibition and storage rooms
- Arcades
- Concrete and screed surfaces

Place of use

- for interior and exterior use

Properties

- odorless
- low consumption
- solvent-free
- lightfast
- transparent
- plasticizer-resistant
- easy to process



Technical Data

Available container sizes	30 kg/sheet metal bucket 5 kg/sheet metal bucket 1.25 kg/PE bottle
Density	ca. 1,15 kg/l
Viscosity	approx. 6 dPa·s
Colour	transparent
Solids content	100 %
Processing temperature	+8°C to +30°C
Processing time	approx. 60 minutes ¹⁾
Walkability	after approx. 8 hours ¹⁾
Resilience	fully cured and loadable after approx. 2 days ¹⁾
Compressive strength	(5 wt.% LF68 12P on MST 89M) 17 – 20 N/mm ²
Flexural strength	(5 wt.% LF68 12P on MST 89M) 4.5 – 6.0 N/mm ²
Storage	cool, 6 months
Consumption	approx. 5 wt.-% as binder for HADALAN MST 89M approx. 6 wt.-% as binder for HADALAN DQ0712 89M
¹⁾ At +20 °C and 60 % relative humidity	

SUBSTRATE

Properties/tests

- The substrate must be dry, load-bearing, clean, dust-free and free of adhesion-reducing residues, release agents, efflorescence and sintered coatings.

Preparation

- HADALAN EG145 13E (alternatively HADALAN EPUni 12E) is applied over the entire surface as a primer and substrate consolidator. Quartz051 57M is sprinkled into the fresh primer with 50% coverage. Drying time 1 day.

AREAS OF APPLICATION AND PROCESSING

Applying

- HADALAN MST 89M (2 – 4 mm) are mixed with 5 wt.-% HADALAN LF68 12P. HADALAN DQ0712 89M with proportionally 6 %. For this purpose, the binder is intensively mixed with the aggregate using a slow-speed mixer and stirring paddle (approx. 400 rpm). The mix is then decanted and stirred again briefly. A processing time of approx. 60 minutes is then available.
- The application of an adhesive layer is not necessary if the primer is properly applied with quartz sand.
- The mix is roughly spread to the desired layer thickness with a squeegee and then compacted and leveled with a smoothing trowel. When using HADALAN MST 89M (2 – 4 mm), the average layer thickness is approx. 8 mm.
- When using fine decorative quartz grains, the smoothness can be significantly improved by cleaning the tools with HADALAN EPV 38L in the meantime.

Drying / Follow-up work

- Vorsichtig begehbar sind die Flächen nach ca. 8 Stunden. Vollständig belastbar nach ca. 2 Tagen.

NOTES

Cleaning

- Clean tools immediately after use with HADALAN EPV 38L.
- Hardened material can only be removed mechanically.



System products

- HADALAN® EPUi 12E
- HADALAN® EG145 13E
- HADALAN® MST 89M
- HADALAN® DQ0712 89M
- HADALAN® EPV 38L
- HADALAN® EBG 12E

To be observed

- Maintain a processing temperature of +8 °C to +30 °C.
- When processing above +30 °C, there is a risk of the binder running off the stone surface. The durability of the covering system is reduced.
- Avoid strong sunlight. Shading must be provided if necessary.
- The product is moisture-reactive. The material must therefore be protected from moisture until it has completely hardened. The substrate to be coated must be dry.
- High temperatures accelerate, low temperatures delay the solidification and curing process.
- Comply with consumption specifications. Deviations can lead to shading in the surface.
- Overdosing of the binder can lead to blistering and cavities.
- The specified additive quantities apply to HADALAN MST 89M and HADALAN DQ0712 89M. Preliminary tests must be carried out with other grain sizes.
- Compact HADALAN MST 89M well to achieve a homogeneous and stable floor covering.
- For cleaning and care, see the HADALAN natural stone leveled surfaces care instructions.
- When using in the HADALAN balcony protection system, observe the processing instructions "Renovation, coating and decorative design with HADALAN PUR liquid plastics".

Ingredients

- Polyurethane resin
- 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. Allow container to air for at least 24 hours once fully emptied. 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

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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.