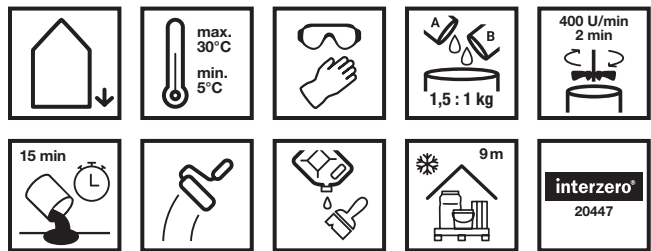




HADALAN® Velo-Base

High-speed primer and coating, rigid



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

PRODUCT INFORMATION

Description

- HADALAN® Velo-Base is a special transparent, 2-component reaction resin based on aspartic acid ester in a tough, hard version. Due to the special formulation, it reacts and hardens particularly quickly and enables rapid work progress with other system products.

Application

- for priming and scratch filling mineral substrates in the HADALAN Velo balcony system
- as a coating and binder for floor coatings and reaction resin mortars indoors and outdoors on concrete and screed surfaces

Operational area

- multifunctional use as **primer, coating** and **synthetic resin mortar**
- Balconies, terraces, arcades
- mineral substrates
- commercial and industrial areas
- Underground garages

Properties

- rapid hardening
- osmosis-resistant
- solvent-free
- transparent
- tough-hard
- good chemical resistance
- low odour
- AgBB-compliant
- lightfast



Technical Data

Available container sizes	10 kg/set (tin bucket/sheet metal bucket) 3 kg/set (tin bucket/sheet metal bucket)
Component A	6 kg / 1.8 kg
Component B	4 kg / 1.2 kg
Mixing ratio	1.5 : 1
Density, ready to use	approx. 1.10 kg/l
Processing temperature	+5°C to +30°C
Pot life	15 minutes
Colour	transparent, shiny
Solids content	100 % by weight
Revisability	after approx. 45 minutes ¹⁾
Walkability	after approx. 60 minutes ¹⁾
Curing time	after approx. 90 minutes ¹⁾
Resilience	fully loadable after approx. 48 hours ¹⁾
Storage	frost-free, 9 months
Consumption	approx. 0.3 – 0.5 kg/m ² as primer approx. 1.8 kg/m ² /mm as leveling compound (in a mixing ratio of 1 : 1 parts by weight HADALAN Velo-Base : HADALAN FGM003 57M) approx. 2.0 kg/m ² /mm as reaction resin mortar (in a mixing ratio of 1 : 10 parts by weight HADALAN Velo-Base : HADALAN FGM012 57M)

¹⁾ The information refers to the consumption quantities as a primer. With thicker layers, the times are delayed by approx. 30-60 minutes.

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.
- In principle, the substrate must be suitable for the coating system.
- The adhesive tensile strength of the substrate must be at least 1.5 N/mm².
- The compressive strength of the substrate should be at least 25 N/mm².
- The moisture content of the zone near the surface (approx. 3.0 cm) must not exceed the equilibrium moisture content of the building materials. Concrete and cement screed: < 6.0 CM%, anhydrite screeds: < 0.5 CM%.
- The substrate must be protected against rising and penetrating moisture.

Preparation

- The floor surface must be prepared by e.g. dust-free shot blasting, diamond grinding, milling or other suitable measures. The grain structure must be exposed and all separating substances and loose components must be removed thoroughly. Substrates whose surfaces have been treated with smoothing agents (waxes) must always be removed by milling and subsequent shot blasting.
- Compatibility with old coatings must be checked, non-load-bearing layers and coatings must be completely removed.
- Asphalt-containing screeds are difficult substrates due to their deformability under mechanical and thermal stress. They can therefore only be coated with special systems. Please contact our technical service for more information.
- In the case of existing fixed tile coverings, the surface must be removed by diamond grinding or milling. The glaze must be completely removed.
- All substrate preparations must be carried out by suitable specialist companies.

AREAS OF APPLICATION AND PROCESSING



■ Applying

- **Application as a primer:** The entire hardener component is added to the resin component. The components are mixed homogeneously using a suitable mixer (approx. 400 rpm) with a DLX stirrer. The mixing time is at least 1 minute. The little mixed components adhering to the container wall, the base and the stirrer must be scraped off and incorporated into the mix. The material is then transferred to a clean mixing vessel (repotted) and mixed thoroughly again. After mixing, HADALAN Velo-Base is applied evenly and film-forming to the substrate to be primed using a polyamide roller special for floor coatings or a suitable tool. If there is a risk of moisture penetration from the rear or expected water vapor diffusion, the primer must be applied film-forming and pore-free. If necessary, apply 2 coats of primer.
- **Application as scratch filler or roughness compensation:** HADALAN Velo-Base can be filled and processed with HADALAN FGM003 57M in a mixing ratio of 1:1 GT. If necessary and in the case of high-contrast substrates, the primer/scratch filler should be matched to the color of the subsequent coating. Two bags of HADALAN ColourPowder are added to a 10 kg container and one bag of HADALAN ColourPowder is added to a 3 kg container. The coating work must only be carried out with one container unit. Changing the container units on the surface can lead to color differences.
- **Application as a colored flow coating:** Before mixing the two resin components, the color pigment HADALAN ColourPowder is stirred into the resin component (Comp. A) using a suitable stirrer (approx. 400 rpm) with DLX stirrer without streaks to color the flow coating. Two bags of HADALAN ColourPowder are added to a 10 kg container. One bag of HADALAN ColourPowder is added to a 3 kg container. The coating work must only be carried out with one container unit. Changing the container units on the surface can lead to color differences. The entire hardener component (Comp. B) is then added to the resin component (Comp. A) and mixed homogeneously with the above-mentioned stirrer recommendation. The mixing time is at least 1 minute. The little mixed components adhering to the container wall, the base and the stirrer must be scraped off and added to the mix. Then pour the material into a clean mixing vessel (repot), add the filler HADALAN FGM003 57M in the color white and mix thoroughly again. The mixed leveling compound is then quickly spread over the substrate in an even layer using a squeegee or smoothing trowel. The fresh layer must be deaerated immediately using a metal spiked roller.
- **Application as reaction resin mortar:** Mix HADALAN Velo-Base as described above. Then add the filler HADALAN FGM012 57M and mix thoroughly with the MK stirrer. The surface to be treated must first be primed with HADALAN Velo-Base. The reaction resin mortar is applied fresh in fresh and smoothed into the fresh adhesive layer.
- **General:** Due to the fast reaction time of the material, ensure that the material is processed quickly. We recommend scheduling at least three employees for the application. More for larger areas. Larger areas should be divided into sections. Tools must be cleaned or replaced regularly using HADALAN EPV 38L. Only prepare as much material as can be processed within the pot life. For high-contrast colors/substrates, we recommend applying the primer/scratch coat in the same color as the leveling coat. The substrate must be color-matched.

NOTES

■ Cleaning

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

■ System products

- HADALAN® Velo-Seal
- HADALAN® Velo-Flex
- HADALAN® ColourPowder
- HADALAN® GP 57DD
- HADALAN® KG 57DD
- HADALAN® ColourChips 89V
- HADALAN® FGM003 57M
- HADALAN® FGM012 57M
- HADALAN® FGM035 57M
- HADALAN® EPV 38L
- HADALAN® Velo-Base
- HADALAN® MST 89M



To be observed

- The maximum coating intervals of 24 hours must be observed.
- High humidity accelerates, low humidity delays the solidification process.
- The substrate temperature must be at least 3 °C above the dew point temperature during application and curing.
- Process the material quickly.
- Processing beyond the pot life leads to poor results in terms of film strength and visual impression.
- Only use materials from one batch.
- Color deviations on contiguous surfaces do not constitute a defect.
- With coating systems that can be applied by hand traces of application may remain visible. This applies in particular to grazing light or larger contiguous areas, create a sample area if necessary.
- To maintain the surface quality of the coating, the use of care products and regular cleaning of the floors is recommended (see HADALAN epoxy resin flooring care instructions).
- Abrasive loads lead to white cracking on the surface.
- To assess the surface, sample surfaces should be created under concrete object conditions if necessary.

Ingredients

- 2K reactive resin based on aspartic acid ester
- Additives

Occupational safety / Recommendation

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

Disposal

- 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.