

Tekno LV 100

Self-leveling Ready-Mixed
Floor Coating Mortar



Product Description	One-component, synthetic polymer additive, special for thick applications with increased adhesion strength is a formulated self-leveling floor leveling mortar.
Areas of Usage	<ul style="list-style-type: none">Indoor and outdoor tiles, ceramics, granite ceramics, marble, natural granite, parquet, PVC and It is used as a leveling screed under materials such as carpets.
Features and Benefits	<ul style="list-style-type: none">Self-leveling and quick-freezing.Resistant to furniture and wheelchair loads.No cracking and excellent adhesion even at very thin thicknesses.Can be used on floors with underfloor heating.Easy to apply.
Application Instructions	<p>Surfaces are clean, smooth, solid, all kinds of dust, oil, dirt, rust, mold oil, detergent and similar adhesionfree from obstructions and debris. Surfaces must be level, weak parts must be removed. If there is a crack or cavity on the floor or wall to be applied, appropriate TEKNOREP repair should be repaired with mortars. TEKNO LV 100 application should be started after 3-4 days. Surface pits should be repaired with TEKNOREP. The surface must be free of oil, dirt and rust. Dry surfaces should be slightly moistened but no puddles should be left. Absorbent for better adherence before application TEKNOLATEX 500 should be used on surfaces and TEKNOLATEX 300 should be used on glossy surfaces.</p> <p>Spread the prepared material on the primed floor. A spiked roller can be used to eliminate air bubbles on the surface. If the primer is not used, the smoothness on the surface will not be achieved to the desired extent. After the application is completed, it should not be exposed to strong winds and frost. Therefore, protection measures should be taken.</p> <p>TEKNO LV 100 is one component. It is recommended to use a low speed drill and mixer bit to ensure homogeneous mixing. Add 4.0-4.3 liters of water into the bucket, then add the powder material slowly and continue mixing until a homogeneous mixture is obtained. The amount of mixing water may vary depending on the ambient temperature. Fully mixed material, depending on the ambient temperature it should be spread and leveled in 30 minutes.</p> <p>Application Method / Equipment: Hedgehog roller, mechanical mixer, notched trowel and clean buckets.</p>
Application Notes / Restrictions	<ul style="list-style-type: none">Up to 100 mm can be applied in a single layer. For 100 mm thicker applications, layer by layer should be poured.When pouring the 2nd layer, the surface gloss should be removed with coarse sandpaper on the substrate.After application, the floor should be protected from water for one day. In places constantly exposed to water should not be used.Depending on the temperature in ambient conditions, min. It can be used after 24 hours. However, it is recommended to wait at least 3 days for processing.Immediately after application, before hardening, equipment should be washed with water and hands should be washed with clean warm water and soap.

- Direct sunlight, strong wind, high air temperature (above +35°C) after application should be protected against adverse weather conditions such as rain and frost. After TEKNO LV 100 is fully cured Cleaning should be done with water before hardening. Hardening a few days after application cleaning can only be done using mechanical equipment, as it will be completed.
- Cleanability Time: Approx. 4 hours at 20 °C

Technical Data

General Information	
Appearance / Chemical Structure	Grey / Contains cement, mineral fillers and polymer.
Shelf Life	12 months in unopened packed on dry environment
Package	25 kg kraft bag
Application Information	
Application Temperature	(+5°C) - (+35°C)
Mixture Rate	4,0 - 4,3 lt water / 25 kg powder
Processing Time	15 min.
Wet Mortar Density	2,15 kg/lt
Dry Powder Density	1,6 kg/lt
Consumption	1,85 kg/m ² for 1 mm
Application Thickness	20 mm for 1 layer / max. thickness 100 mm
Gaining Full Feature	24 hours
Performance Information	
Bending Resistance (28 days)	≥ 5,0 N/mm ²
Pressure Resistance (28 days)	≥ 25,0 N/mm ² (TS EN 196-1)
Adhesion Resistance (28 days)	≥ 1.0 N/mm ²
Shrinkage	0

Technical information is approximate value obtained from the Tekno Construction Chemicals Laboratory works and are valid for the performance of the finished product in 28 days, which are obtained at + 20 °C temperature and 50% relative humidity rate.