TECHNICAL DATA SHEET

TYROLIT PREMIUM SEALER WB



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TYROLIT Premium Sealer WB: Water born special sealer for cementitious surfaces and natural stone

Description TYROLIT Premium Sealer WB is a water born, silane/siloxane based special sealer with an excellent water and oil repellent effect.

Properties TYROLIT Premium Sealer WB reduces the penetration of aqueous liquids, grease, oils, and other dirt. The effectiveness depends on the flooring material and the absorption characteristics of the surface. Depending on the type of the surface and the surface preparation, the resulting stain protection performance may differ. Depending on the absorption and the type of substrate colors may be intensified. The water absorption is strongly reduced, while the water vapor permeability is only marginally affected. The active ingredients are UV-resistant and non-yellowing.

Scopes of Application

TYROLIT Premium Sealer WB is applied on power trowelled, ground and polished cementitious floors, as well as industrial artificial stone/Terrazzo and screeds. Conditional use of the product onto polymer modified concrete floors as well as on self-leveling compounds. TYROLIT Premium Sealer WB can be used rather on natural stone like granite, gneiss, quartzite, sandstone, travertine, marble, limestone, and shale. Fields of application are e.g., industrial floors in commercial establishments (production and logistics halls), market halls, shopping malls and supermarkets in the indoor and outdoor use. Fields of application for natural stone surfaces treated with TYROLIT Premium Sealer WB are e.g., countertops, tables, window seats, stairs, and natural stone tiles for walls and floors in the indoor and outdoor use. For highly absorbent cementitious substrates, it is recommended to pretreat the surface with Tyrolit Densifier 3 (hardener and densifier).

Note: The acid sensitivity of the surface still remains, but it is reduced. Only limited use of the Premium Sealer WB on soft or scratch sensitive floors. The use of a silicate/densifier prior to the application of the Premium Sealer WB can significantly improve the scratch resistance, but not turn a poor quality floor into a very good one.

Processing
The treated surface must be dry (residual moisture < 6%), firm, clean, absorbent, free from oil, grease, releasing agents and any other impurities. Intense cleaning of the surface with an autoscrubber machine and clear water is the minimum requirement. For a better surface appearance and finish a diamond cleaning step with resin bond diamond tool or diamond grinding pads with grit size #100 or #200 is recommended. In order to determine the consumption, do a sample test on a small area of the surface. Apply Premium Sealer WB with a pressure-sprayer and spread with a short-hair microfiber mop. Ensure a uniform surface appearance. The surface must be homogeneously saturated with the Premium Sealer WB for approx. 3-5 minutes. The surface should be wet/moist but not flooded. The application results in a strong repellent effect on the surface which makes it difficult to apply a second layer. The liquid applied in the second application is not absorbed by the floor anymore.

Exceptions are if the floor gets still wet due to high absorbency or if the surface is lightly ground again. If necessary, the Premium Sealer WB can be polished/buffed with a single-disc machine or a polishing machine and a white polishing pad. This should take place several hours after the application or preferably the next day. For large areas, polishing/buffing can also be done with a power trowel (also double power trowel) and suitable white polishing pads. Excess material or material splashes are to be avoided. Material splashes as well as wiping and polishing marks must be removed before drying!

Note: Protect adjacent, sensitive surfaces and windows against splashes. Remove excess material before drying up. Clean the tools and other equipment used for the application with water.

Processing temperature
Avoid direct sun radiation during processing. The surface temperature should be between 10 °C and 25 °C (50 – 77 F). Turn off floor heating systems. Avoid the direct impact of moisture until the complete water and oil repellency is developed.

Drying time
The water and oil repellent effect develops after 1-2 hours, the complete effectivity occurs after 24-48 hours. The surface treated with TYROLIT PREMIUM SEALER WB can be walked on after approx. 4 hours. Application of protection coverings or heavy traffic onto the surface after 48 hours.

According to ambient temperature, humidity and ventilation drying time can vary.

If the floor must be temporary protected, use only diffusion open coverings and also only after the floor is completely dried. Recommendation: diffusion open fleece (non-woven fabric). If necessary, cover the surface with additional wooden hardboards/fibreboards or generally with diffusion-open protective floor coverings.

Productiveness Depending on the surface absorption, the following values can be assumed. Reference values:

polished/fine ground surfaces: approx. 20 – 40 m²/liter
power trowelled surfaces: approx. 10 – 20 m²/liter

Using a pre-treatment with silicate (densifier) e.g. Tyrolit densifier 3 , reduces the consumption of the Premium Sealer WB on highly absorbent floorings.

Storage
Shelf life in cool, dry and closed container is about 12 months. Once opened, containers should be used up as soon as possible.

E**nvironmental Protection**
Do not discharge into drain system/surface waters/groundwater. The product is slightly water-polluting (WGK 1).

Waste codes/waste designations according to EWC/AVV. 08 02 99 Wastes from MFSU of other coatings (including ceramic materials). Wastes not otherwise specified Dispose of waste according to applicable legislation. Completely emptied packages can be recycled.

Security
TYROLIT PREMIUM SEALER WB is harmless to health after curing. A good ventilation should be provided during and after the processing. Notice the special precautions, if the product is used in spraying application. The safety data sheet is available for professional users on request.

Ingredients: Trimethoxy(methyl)silane, Silane/Siloxane Emulsion

Labelling according to Regulation (EC) No. 1272/2008 [CLP]. Do not breathe dust/fume/gas/mist/ vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection.
Identification marking for transportation:

Identification marking for transportation:

PU	PU-marking	Transport documents
a	not applicable no dangerous goods	not applicable no dangerous goods

Packaging Unit (PU)
10 liter PE canister
(Bigger containers and barrels have to be inquired)

This information should only be a non-binding advice. The use of the products is based on local circumstances and on the surface itself. If there is no experience, and in cases of doubt, we recommend to try the product on an inconspicuous spot.