TECHNICAL DATA SHEET

TYROLIT SEALER 50

TYROLIT Sealer 50: Waterborne protective sealer for concrete floors

Description
TYROLIT Sealer 50 is a special waterborne sealer based on a blend of silane and polymers , which protects concrete surfaces and increase also the gloss of the surface after burnishing.

Properties
TYROLIT Sealer 50 reduces the penetration of aqueous liquids, grease, oils and other dirt. The product is easy to apply and imparts high gloss when burnished. The effectiveness depends on the material and absorption of the surface. Depending on the material and surface treatment, it can also lead to different results in the resistance of stain protection.

Basically there is no or only minimal changing of the surface color (color enhancement). The water absorption will be strongly reduced. The active ingredients are UV-resistant and not going yellowing.

Scopes of application
TYROLIT Sealer 50 is applicable to concrete surfaces, screeds and artificial stone/Terrazzo. Fields of application are e.g. industrial floors in commercial establishments, market halls, shopping malls and supermarkets. The product is suitable for interior use. For highly absorbent surfaces it's recommended to apply two times.

Note: The acid sensitivity on concrete surfaces will be reduced, but it can come to etching marks after long exposure time. (Depending also on the acid).

Processing
The treated surface must be absolutely dry (< 4 CM%) and free from impurities. To ascertain the consumption make a separate sample area of the same surface. Apply TYROLIT Sealer 50 with a low-pressure sprayer and spread material with a short-hair microfiber mop. Do not work material into the surface. Spread it and leave it. Leave the surface completely dry. On highly absorbing surfaces or to increase stain protection properties a second application is required.

Note: Too much material excess can lead to an inhomogeneous appearance and to an orange peel after burnishing. Clean equipment with water.

Processing temperature
Avoid direct solar radiation during processing. The surface temperature should be between 10 ° C and 30 ° C (50 – 86 F). Floor heating maybe turn off. Avoid direct moisture to the development of water-and oil repellent effect.

Drying time
The curing time is between 1-2 hours. According to ambient temperature, humidity and absorption there could be a difference in curing time.

Productiveness
Depending on the absorption following values are to believed. Reference value:

polished concrete: approx. 30 - 50 m² / liter (two applications)
trowelled concrete: approx. 10 – 30 m² / liter (two applications)

Storage
Keep closed container in a cool, dry place. Begun cans should be worked up as soon as possible.

Environmental Protection
Not empty into drains. WGK 1 (low water endangering). 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
Extremely low VOC's (less than 50 grams per liter). TYROLIT Sealer 50 is harmless to health after drying up. A good ventilation should be provided during and after the processing. Observance of special security measures if the product will be use in a spraying application.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]. Safety data sheet available on request.

Identification marking for transportation:

PU	PU-marking	Transport documents
a	n.a.	n.a.

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.