TECHNICAL DATA SHEET

TYROLIT EASY GROUT



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TYROLIT Easy Grout: Liquid pore filler (grouting) for cementitious surfaces

Description
TYROLIT Easy Grout is a liquid compound based on various silicates and polymers that is used for grinding, as a pore and crack filler for concrete floors and screeds to close pores, small cavities and cracks (spider web cracks).

Properties
TYROLIT Easy Grout is sprayed in front of the grinding machine while grinding the floor. Together with the grinding dust the Easy Grout forms the compound material which enters the pores and cracks in the floor.

Due to the amount of silicates in the product, TYROLIT Easy Grout is bound very well into the concrete floor and remains largely flexible thanks to special polymers.

The product does not contain any volatile organic substances and is therefore perfectly suitable for ecological buildings (DGNB, LEED, BNB, etc.).

Note: TYROLIT Easy Grout hardens by evaporation of water. For better processing, and in the case of absorbent substrates, the floor must be pre-wetted before work begins.

Application
TYROLIT Easy Grout is used on ground concrete floors/cement screeds, where pores and small cavities become visible while grinding. The product can also be used as a crack filler on power trowelled floors. Depending on the quality of the concrete, pores/small cavities up to a diameter of 5 mm can be closed on ground floors. If there are a lot of large pores/small cavities, it may be necessary to apply the product twice. For craquelure type cracks, a separate grinding procedure must be developed depending on the floor.

Fields of application include industrial floors in commercial workshops, market halls, logistic centers, supermarkets and private residential buildings. The product is designed for interior use.

Processing (ground floors)

1. The surface to be treated is ground with metal bond diamond tools until the aggregates are exposed to the desired extent (up to grit size #80). The ground surface must be free of oil, grease and other contaminants that act as release agents.

2. Before using TYROLIT Easy Grout, the floor must be thoroughly vacuumed and washed with an autoscrubber machine, in order to remove the grinding dust from the pores.

3. Before the product is applied to the floor, the surface must be pre-wetted until it appears consistently damp (matt damp). Avoid puddles. Pre-wetting prevents the Easy Grout from drying too quickly while applying it on the surface.

4. Shake TYROLIT Easy Grout well before use!

5. TYROLIT Easy Grout is applied with a pressure sprayer directly in front of the grinding machine while grinding with metal bond diamond tools grit #100/120. The grinding dust mixes with the Easy Grout to form a paste and is ground into the pores. The penetration of the material depends on the floor, the absorbency and the amount applied. It must be ground in such a way that there is almost no material residue on the surface after the grinding machine and the pores are closed. On concrete floors with many and large pores, the process may have to be repeated.

6. Allow the surface to dry completely (at 20°C for approx. 12 hours).

7. Grind the surface crosswise with a resin bond diamond tool grit #100-150 to remove any excess from silicate that was previously applied. To close even the smallest micropores in the floor, we recommend spraying a spray mist of silicate (e.g. Tyrolit Densifier 3) in front of the grinding machine and continue grinding.

8. The surface can then be ground/polished to the desired surface finish.

Note: Protect adjoining surfaces against splashes. Clean the tools and the equipment with water after use.

Processing temperature
Avoid direct sunlight during processing. The temperature of the surfaces to be treated should be between 5°C and 30°C. Switch off the underfloor heating if necessary. Avoid direct exposure to moisture until the product has completely hardened.

Drying time
The drying time is approx. 12 hours. The drying time may vary slightly depending on the ambient temperature and humidity. If an additional impregnation (e.g. Tyrolit Premium Sealer WB) is applied after the last grinding step, the information in the product data sheets must be considered.

Productiveness
Depending on pores and cavities in the floor, the coverage of the product varies. A rough guideline: 7-15 m² per liter.

Storage Shelf life in cool, dry and closed container is 12 months. Once opened, containers should be worked up as soon as possible. Protect from frost!

Environmental Protection
Not to be discharged into drains. WGK 1 (low water endangering). Waste codes/waste designations according to EWC/AVV. 06 02 099: Wastes not otherwise specified. Dispose of waste according to applicable legislation. Completely emptied packages can be recycled.

Safety
TYROLIT Easy Grout is harmless to health after curing. A good ventilation should be provided during and after the processing. Wear protective gloves during the application. Safety data sheet available on request for professional users.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]: Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Identification marking for transportation:

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

Packaging Unit (PU)
a) 20 liter canister

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 .