Chemicals & impregnation

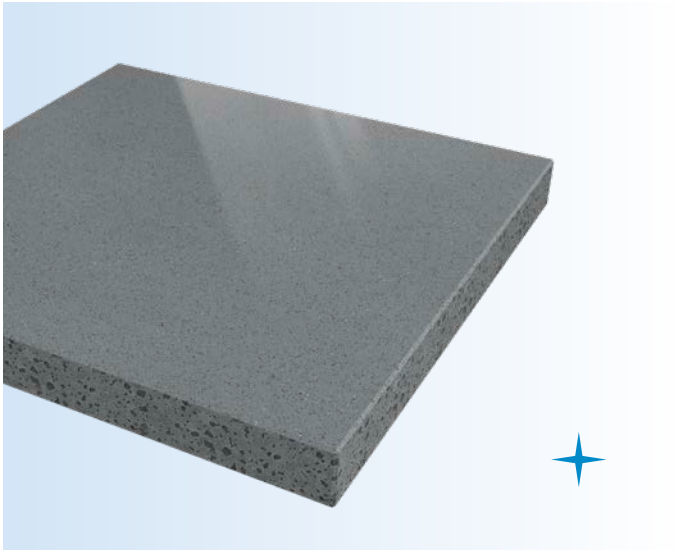


Floor grinding chemicals

1. Rough grinding

Metal bond tools with grit size from 16 – 120

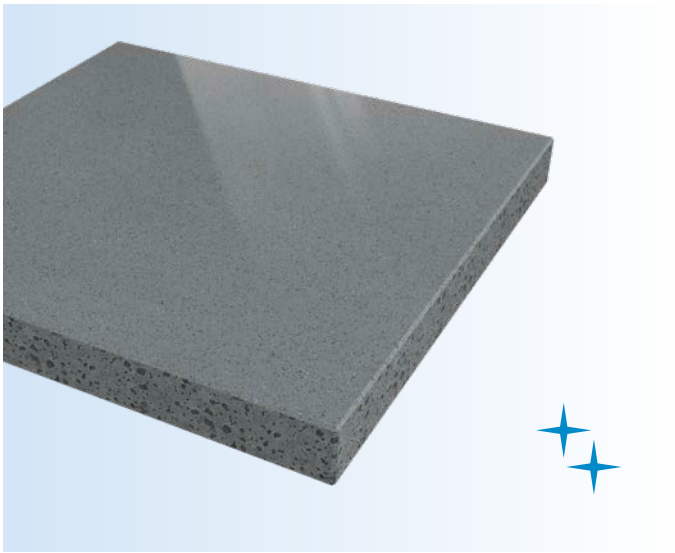
In order to smooth a new floor, the raw, dried out floor has at first to be ground with metal bond diamond tools with a coarse grit size (16-120). In this step, also the final look of the floor is determined: This means that the more aggregate that is to be visible in the final floor, the deeper the floor must be ground. In this phase, minor damage to the floor, such as cracks or splintering, can occur. Once the rough grinding is completed, any possible damages are to be repaired by using the **Tyrolit Pore Filler 100 or Tyrolit Easy Grout.**



2. Transitional grinding

Ceramic bond tools with grit size from 30 – 200

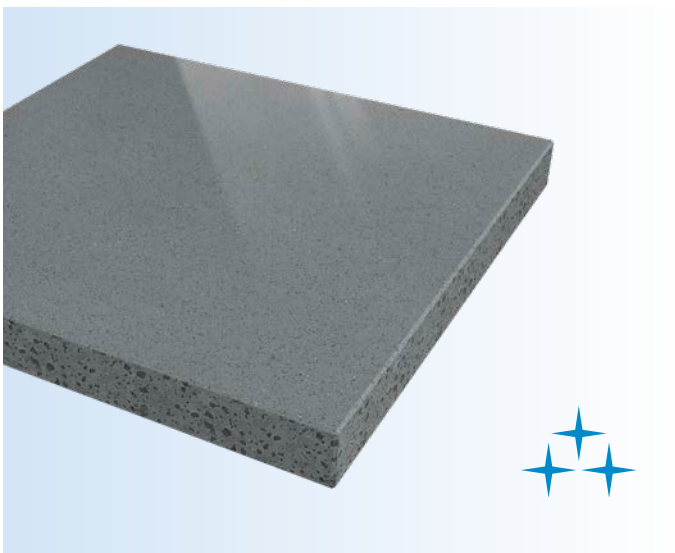
After performing repairs with the Tyrolit Pore Filler 100, the floor is machined using resin or ceramic bond diamond tools. In this phase, the floor is given a smooth, but not yet glossy surface. Upon completion of this grinding step, no more material has to be ground off during subsequent machining. In a next step, the mechanical properties of the floor are optimised. Tyrolit recommends the use of **Tyrolit Densifier 3** for this purpose in order to densify and harden the floor surface. Thus, the floor is ideally prepared for mechanical loads.



3. Polishing

Resin bond tools with grit size from 50 – 3000

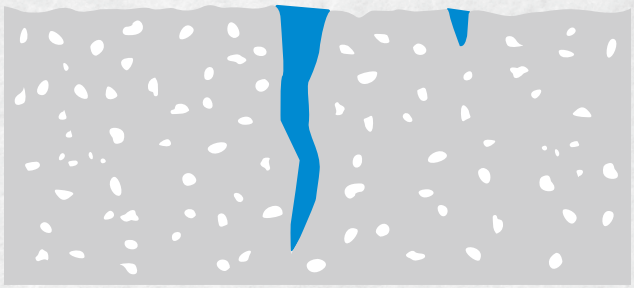
After using the Tyrolit Densifier 3, the floor is given its final gloss, for which resin bond diamond tools with a fine grit size are used. At the end of this process, the floor is impregnated and sealed. This offers long-lasting protection against contamination and the penetration of liquids and greases. For this purpose, Tyrolit recommends either **Tyrolit Sealer 50** or **Tyrolit Premium Sealer WB**. In the case of a simple floor preparation with only a few grinding or polishing steps, the use of **Tyrolit Duo 30 is also recommended, as it hardens and seals in just one step.**



Effect of the chemicals at a glance

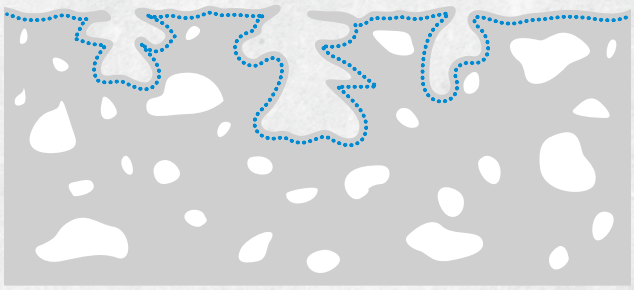
Tyrolit Pore Filler 100
Tyrolit Easy Grout

- Repairing minor damages
- After rough grinding



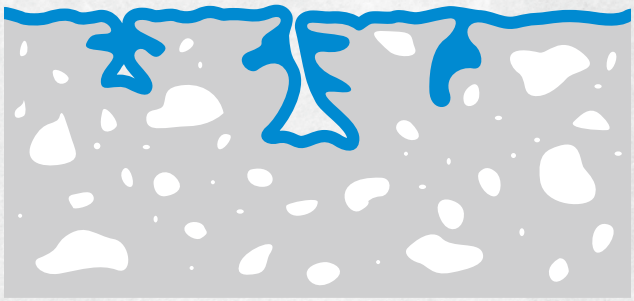
Tyrolit Densifier 3

- Hardens and densifies the floor
- After transitional grinding



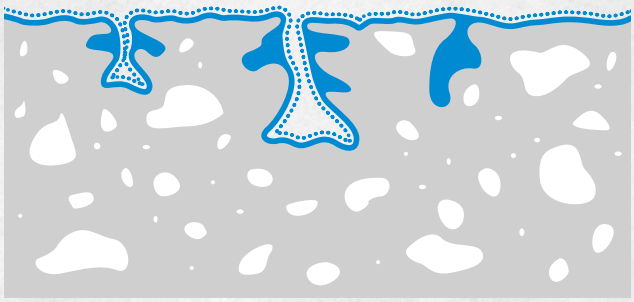
Tyrolit Sealer 50

- Seals the floor (film forming)
- After polishing



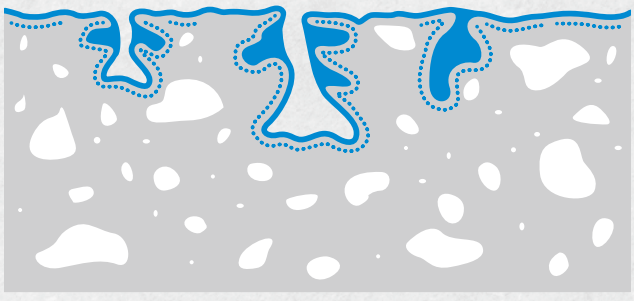
Tyrolit Premium Sealer WB

- Seals the floor (not film forming)
- After polishing



Tyrolit Duo 30

- Combination of densification and sealing
- After polishing



Chemicals

Chemicals	Tyrolit Pore Filler 100	Tyrolit Easy Grout	Tyrolit Densifier 3	Tyrolit Sealer 50
				
Application	for surface treatment of cementitious surfaces | 9 litres	for surface treatment of cementitious surfaces | 20 litres	for densifying and hardening mineral surfaces | 20 litres	water-based sealer for cementitious surfaces, film-forming | 10 litres
Description	The Tyrolit Pore Filler 100 is used to close pores, holes and small cracks of max. 4 – 5 mm on ground floors and screeds. For this purpose, the Pore Filler 100 is mixed with grinding dust in order to provide the filler compound with a look similar to the floor. The compound is then used to manually fill cracks and holes in the floor. The Tyrolit Pore Filler 100 is ideal for smaller to medium-sized floors.	The Tyrolit Easy Grout is used to close pores, holes and small cracks of max. 2 – 3 mm on ground floors and screeds. For that purpose, the Easy Grout is sprayed on to the floor during the grinding process. The resulting mix of grinding dust and Easy Grout acts as a filler and is worked into the surface while grinding the floor. Ideal grinding step for the Easy Grout: rough grinding w/ metal bond tools, grit size 80 - 120#. The Tyrolit Easy Grout is the ideal solution for grouting large surfaces.	Tyrolit Densifier 3 is a concrete densifier and surface hardener. It is used after the grinding steps (and before the polishing steps), in order to give the floor its final mechanical properties. Densifier 3 consists of mixed silicates which densify the mineral surfaces and have a dust-binding effect. The resistance of the floor to mechanical loads and abrasion is improved by hardening and densification. The resistance of the floor to water absorption is also increased.	Treatment with Tyrolit Sealer 50 reduces the penetration of liquids, greases and dirt. The sealer is applied after the final polishing of the floor. To increase the gloss, the floor can be polished again after application of Sealer 50. **Additional hazard characteristics** EEUH208 Contains a mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction. **Safety information/Prevention** P260 Do not breathe dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Type No.	20083856	20097378	20083477	20083643

Chemicals	Tyrolit Premium Sealer WB	Tyrolit Duo 30
		
Application	water-based premium sealer for cementitious surfaces | 10 litres	the combination of densification and surface protection | 20 litres
Description	The treatment of the floor with the Tyrolit Premium Sealer WB reduces the penetration of liquids, grease and dirt. The penetration of water is reduced considerably while the floor remains vapour permeable. The Premium Sealer WB is applied after the final polishing step. The application may slightly intensify the colour(s) of the floor. After the application of the Premium Sealer WB the floor may be burnished in order to increase the gloss of the floor. The components of the sealer are mostly UV-resistant and non-yellowing. **Safety information/Prevention** P260 Do not breathe dust / fume / gas / mist / vapours / spray. P280 Wear protective gloves/protective clothing / eye protection / face protection.	Tyrolit Duo 30 densifies the floor. It also reduces the penetration of liquids and dirt, while the surface diffusion remains open. The result is a floor with improved abrasion resistance. The surface is also easier to clean and is less susceptible to stains and soiling.
Type No.	20088743	20083855