

DESCRIPTION

TigerSeal 20 is 1 component waterproof slurry for sealing buildings and structural building materials. TigerSeal 20 is used for waterproof in indoor and outdoor areas of buildings such as outer walls of basements, foundations, containers wall and floor surfaces moist and wet duty rooms

Properties

- ❖ Waterproof
- ❖ Frost-resistant
- ❖ Suitable for brushing and spreading
- ❖ Not harmful to the environment due its purely mineral base
- ❖ Good breathing properties
- ❖ Volume-stable
- ❖ Good bonding to many substrates
- ❖ Impermeable even to water pressure

SCOPE OF USE

- ❖ For horizontal and vertical surface sealing of buildings and structural components against ground moisture, non-pressurized surface water, seepage water or industrial process water.
- ❖ Also for sealing water containers. Surfaces must be ready for coating and non-shrinking. For internal sealing of monolithic water containers, drinking water tanks and swimming pools with a water depth of ≤ 5 m.
- ❖ For walls of basements and foundations.
- ❖ For walls and surfaces in moist wet areas.
- ❖ Not suitable for sealing against pressurized water on the internal face of walls.
- ❖ Do not use in the presence of efflorescent salts.

SURFACE PREPARATION

The substrate must be stable, clean, dry and free from loose parts. Water-repellent residues (such as formwork oil, grease, paint) must be removed. The surface must be rough, open-pored and have a good key. The surfaces to be sealed must be free of cracks.

If necessary, chisel out any cracks and fill with cement mortar or injection resin.

All edges must be cut off to less than 45° or chamfered (chamfer width ≥ 3 cm). Repair any defects, screed over rock pockets.

If the brickwork is uneven with numerous defects etc., first apply a leveling rendering with cement mortar. Pre-wet concrete, cement screed, cement plaster and brickwork so that they are no longer absorbent.

APPLICATION

- ❖ Put TigerSeal 20 into clean, clear water and stir until completely free of lumps. For spreader application mix 5.5kg of water with 1 bag of TigerSeal 20 . For brush or slurry application mix 6.5kg of water with 1 bag TigerSeal 20 . For higher bonding strength and water-tightness performance, addition of Tigerseal 2000 is needed.
- ❖ Use the prepared mixture within 1 hour. First, always apply a heavy coat of TigerSeal 20 with a ceiling brush fresh-on-fresh on the silicifying layer so that the surface is sealed. As soon as the first layer has reached sufficient surface strength(after approx. 6 hours),spread the sealing slurry with a float after pre-wetting the surface, or apply in two further slurry operations.
- ❖ Protect surfaces sealed with TigerSeal 20 against too rapid drying-keep moist for at least 24 hours.
- ❖ If there is danger of surface moisture deficiency, spray the sealed surface with water or brush over with a wet ceiling brush.
- ❖ Before finishing work, check the sealed surface for minimum layer thickness and defects.
- ❖ The sealing slurry can be walked on after only 2 days and is ready for covering after 3 days at the earliest. Excess mortar can be removed with water while still fresh, but after hardening only mechanical removal is possible.

PLEASE NOTE

Use TigerSeal 20 only in dry conditions and at temperatures of +5°C to+ 30°C.

All data given was obtained at a temperature of +23°C and 50% relative air humidity.

Please note that under other climatic conditions hardening can be accelerated or delayed.

Do not mix with other materials, additives or binders.

After hardening, protect the sealing slurry against further damage with plaster, screed, tiles, drainage tiles etc.

TigerSeal 20 contains cement and produces an alkaline reaction with water. Therefore protect skin and eyes.

If contact occurs, rinse thoroughly with water.

In case of contact with the eyes obtain medical advice.

OTHER INFORMATION

Apart from the information given in this leaflet, it is important to observe the relevant guidelines and regulations of various organizations and trade associations .

The warranted characteristics are based on practical experience and applied testing. Site- or application-specific conditions may vary from those described here, and thus the correct and successful use of our products is beyond our sphere of influence.

If in doubt, the user should therefore first carry out sufficient tests to ensure the product is suitable.

Legal liability cannot be accepted, either solely based on the content of this information sheet, or any verbal advice given. Should you have any questions, please consult our advisory.

STORAGE

Shelf life approx. 12 months in a dry place.

TYPE OF PACK

25kg paper bags.

TECHNICAL DATA

Base	Cement, selected minerals, special additives	
Bulk density	approx. 1.50kg/ℓ	
Mixing ratio	Spreadable consistency ; approx. 5.5kg of water for 2.5kg (Water : Tigerseal 2000 : TigerSeal 20 = 3kg : 1.8kg : 25kg in case of addition of Tigerseal 2000) Slurry consistency ; approx. 6.5kg of water for 2.5kg (Water : Tigerseal 2000 : TigerSeal 20 = 4kg : 1.8kg : 25kg g in case of addition of TigerSeal 2000) For filling drill holes ; approx. 8ℓ of water for 2.5kg	
Application time	approx. 2 hours	
Application temperature	+5°C to +30°C	
Rainproof	after approx. 4 hours	
Walk-on time	approx. 2 days	
Ready for covering	after approx. 7 days	
Bending tensile strength	approx. 3 N/mm ² after 3 days approx. 6 N/mm ² after 28 days	
Compressive strength	approx. 12 N/mm ² after 3 days approx. 28 N/mm ² after 28 days	
Adhesive tensile strength	approx. 1.5 N/mm ²	
Amount required		
Type of use	Layer thickness	Amount required
Ground moisture	2.0 mm	approx. 3 kg/m ²
Non-pressurized water	2.5 mm	approx. 4 kg/m ²
Water tanks (water depth ≤ 5 m)	3.0 mm	approx. 5 kg/m ²
Maximum layer thickness	5.0 mm	approx. 8 kg/m ²