



Safety data sheet

Vergussmörtel TG

Status: 05.01.2024 Version: 1

Cementitious, mineral Vergussmörtel with early load-bearing capacity

Product description:

IPA Vergussmörtel TG is a dry mortar according to DIN 18557 consisting of cement according to DIN 1164, sand, additives and admixtures. IPA Vergussmörtel TG is a WW Vergussmörtel DIN 19573 and WW shaft head mortar DIN 19573 - flowable.

Areas of application:

IPA Vergussmörtel TG is suitable:

- For filling cavities under manhole rings
- For pouring under machine foundations

Mode of action and properties:

- Is mineral
- Is highly sulphate-resistant
- Has a high hourly strength, can therefore be loaded quickly
- Adheres well to mineral substrates
- Is impermeable to water in accordance with DIN 1045
- Is shrink-free
- Is 1-component

Processing instructions:

Substrate and preparatory work:

The substrate (bonding zone) must be solid and free of binding substances. Spacers or level fixings can be created with IPANEX tamping mortar, slots or openings can be filled with IPANEX tamping mortar.

Processing:

Mix IPA Vergussmörtel TG homogeneously with 19-21% by weight clean water for 2 minutes by hand or using a slow-running mixer or double whisk. A pourable mortar consistency must be achieved (20 kg dry mortar IPA Vergussmörtel TG, 3.8 - 4.2 liters of water). The mixing process should take place directly at the place of application. The ready-to-use IPA Vergussmörtel TG is then poured into the cavities to be filled and compacted. The mixed mortar has a maximum working time of 7 minutes (depending on temperature). Once the mortar has set, it must no longer be stirred and processed with water.



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The substrate and material temperature must not fall below +5°C during application and for 24 hours afterwards. The rules for processing cement-bound building materials apply.

Special notes:

Slight changes in the amount of mixing liquid accelerate or delay the setting behavior.

Cleaning and disposal:

The tools can be cleaned with clean water. Material residues, delivery containers or mixing containers must be disposed of in an orderly manner. Disposal code in hardened state: LAGA No. 314 09
EWC No. 17 01 01

Occupational safety:

Before starting work, apply a non-greasy skin protection cream and wear protective clothing, safety goggles and protective gloves.

Please avoid heavy dust formation! Do not smoke, drink or eat during processing!

In the event of skin contact and splashes in the eyes, rinse immediately with clean water for at least 15 minutes. It is advisable to have an eye wash bottle with the sterile solution ready to rinse the eyes thoroughly. Then consult an ophthalmologist immediately.

Please observe the safety data sheets and the regulations of the trade associations regarding the handling of cementitious materials.



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Technical data:

Material basis	Cement-bound
Color	Concrete gray
Aggregate grain size	< 0.5 mm
Mixing liquid	Clean water
Mixing liquid requirement	19-21 % by weight
Processing time (depending on temperature)	< 7 minutes at 20°C
Material consumption	Approx. 1.9 kg of dry mortar per liter of fresh mortar

Fresh mortar characteristics:

Raw density	2.02 g/cm ³
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Solid mortar characteristics:

Compressive strength

30 minutes	7.5 N/mm ²
1 hour	13.6 N/mm ²
3 hours	16.2 N/mm ²
1 day	23.6 N/mm ²
7 days	38.5 N/mm ²
14 days	46.2 N/mm ²
28 days	52.5 N/mm ²

Delivery form	20 kg plastic bucket
Sulphate resistance	≤ 0.8 mm/m no visible cracking
Storage	Store in the unopened original packaging in dry rooms. The storage temperature should not fall below +5°C and not exceed +30°C
Storage stability	6 months if stored properly