

# Technical Data Sheet

## PT Swelling Mortar

**fiber reinforced repair mortar  
(fast setting, thixotropic, shrinkage compensated)**

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### Product description

PT Swelling Mortar is a shrinkage-free, cement base, fast setting, fiber reinforced and light swellable repair mortar on base of special cement, additives and gravel. Mortar class M30 according DIN EN 998-2. PT Swelling Mortar bonds perfect to nearly all absorbend mineral surfaces and is water resistant and also frost and salt resistant.

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### Application areas

PT Swelling Mortar is used for renovation and sealing of buildings against pressurized water and capillary water. Additional usable in eruptions, voids and masonry joints as well as sealing and re-profiled of concrete constructions and plasters. Due to the special formulation with fibers, PT Swelling Mortar can be applied in one step in a thickness of 100 mm. PT Swelling Mortar is additionally suitable in new buildings in sewer buildings, also as a fire resistant mortar.

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### Product advantages

- **Dry mortar**
- **No saging, 100 mm thickness**
- **According DIN 998-2**
- **Water resistant**
- **Fiber reinforced**
- **High loadable**
- **Light filler free**
- **Gypsum free**
- **Fast setting**
- **High bonding to the substrate**
- **Corrosion protection**
- **Good resistancy against acids and lyes**
- **Sulphate resistant**
- **„Made in Germany“**

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### Specification

Base	: special cement, additives, fibers
Color	: grey
Gravel size	: max. 2 mm

Compressive strength	: 1 day	13 N/mm <sup>2</sup>
	7 days	42 N/mm <sup>2</sup>
	28 days	47 N/mm <sup>2</sup>
Flexural strength	: approx.	6 N/mm <sup>2</sup>
Water absorbency	: 0.1	kg/m <sup>2</sup>
Processing temperature	: + 5°C	up to + 30°C
Processing time	: approx.	30 minutes, depend on temperature
Pot life (20°C)	: approx.	45 Minuten, depend on temperature
Water requirement	: approx.	4 l per 25 kg
Consumption	: approx.	1.7 kg/l

All technical datas are measured in our laboraty.

Please take notice about the safety information and advice given on the safety data sheets and packaging labels. GISCODE: ZP1

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### Delivery form

25 kg unit

Article-No. 07200025

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### Storage

6 months (frost-free and dry, +5°C up to +25°C in original packaging).

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### Application

#### Surface preparation

The surface has to be solid, stable, gypsum-free and clean. Loose components, release agents, formwork oil, grease, gypsum or bitumen must be removed before the application. Additionally, the surface must be humid (if necessary pre-wet the surface), but no standing water.

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#### Material

PT Swelling Mortar must be mixed with clean water (approx. 4 l per 25 kg). The water amount can be adjusted as required. Put the mortar in a clean bucket add during mixing water in parts. Add so much water up to the wanted thixotropic mortar is achieved. The minimum mixing time is 3 minutes.

In case of critical surface add PT Bonding Emulsion Plus (approx. 25% to the mixing water) as well as to get a better compressive strength. In case of salt damaged and sandy surfaces use as primer PT Deep Primer.

PT Swelling Mortar can be applicated in one step in a thickness of 100 mm, this is depend on before adjusted consistancy of mortar. In case of higher required thicknesses, use PT Swelling Mortar in different layers as a pre-plaster. Application is wet in wet, that means the subsequent layer must not be completely cured.

The product system has to be secured against too fast drying (wind, sun etc.), frost and rain. At using inside buildings the rel. air humidity should not be higher than 65%.

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**Recommended tools**

Trowel

Spatula

Gloves

Safety glasses

**Application areas:****Remarks**

The information given in this technical data sheet corresponds to the current state of development and is based on our experience, our knowledge and is non-binding. An investigation has to be done with focus on the respective building project and the area of application. The technical expert advice of proof-tec employees does not exclude the planning or control by an engineer. We are liable within the scope of our general delivery and sales conditions, we are not liable for the application of our materials. The generally accepted rules of technology must be observed. If necessary, preliminary tests have to be carried out.

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All previous versions of this technical data sheet are not valid anymore and should not be used anymore.