

Technical Data Sheet

PT Surface Sealing Mortar

**- watertight plaster / mortar -
(fast hardening, thixotropic, shrinkage compensated)**

Product description

PT Surface Sealing Mortar is a cement based, shrinkage compensated, watertight against pressurized water and pressure resistant dry mortar according to DIN EN 998-1. PT Surface Sealing Mortar develops over a longer period a higher compressive strength and withstands high water pressure. Crystalline active plaster.

Application areas

PT Surface Sealing Mortar is used as waterproofing material of structures such as basements against pressure and capillary water infiltration. In addition, PT Surface Sealing Mortar is used as a watertight plaster. It is also suitable as a surface preparation for subsequent tile coverings. Can also be used as a sealant mortar in grooves between floor/wall connections.

Product advantages

- **Dry mortar**
- **Absolutely watertight against pressurized water**
- **According to DIN EN 998**
- **Water resistant**
- **High loadable**
- **Light filler free**
- **Gypsum free**
- **Fast curing**
- **Low chromate content**
- **High adhesion properties**
- **Salt resistant**
- **Corrosion inhibiting**
- **Good resistance to acids and alkalis at moderate concentrations**
- **Sulphate resistant**
- **„Made in Germany“**

Specification

Base	: special cement, additives
Color	: grey
Consistency	: powder
Bulk density	: approx. 1.8 kg/dm ³
Processing temperature	: + 5°C up to + 30°C

Water requirement	: approx. 5.5 l per bag
Compressive strength	: 1 day approx. 6 N/mm ² 7 days approx. 18 N/mm ² 28 days approx. 24 N/mm ²
Fire class DIN EN 13501-1	: class A1
Tensile strength	: > 3N/mm ²
Water absorption	: 0.1 kg/m ²
Processing time	: approx. 70 minutes, depend on temperature
Start of reaction (20°C)	: approx. 120 minutes, depend on temperature
Consumption	: approx. 1.8 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

Delivery form

30 kg bag

Article-No. 06300030

Storage

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

Application

Surface preparation

The surface has to be solid, stable, gypsum-free and clean. Loose components, release agents, formwork oil, grease must be removed before the application of PT Surface Sealing Mortar. Additionally, the surface must be humid, maybe the surface has to be pre-wet. Standing water has to be avoid.

Material

PT Surface Sealing Mortar is mixed with drinking water (5.5 ltr per 30 kg bag) to a homogeneous lump-free material. 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 Surface Sealing Mortar can be applied with plaster machines. PT Surface Sealing Mortar can be applied in one step up to a thickness of 1.5 cm.

After sealing of the water leakage we recommend a fully sealing of the entire area. For that sealing PT Reactive-Slurry Crystalline can be used (please notify the technical data sheet).

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.

Version 10/2021

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