

Technical Data Sheet

PT Water-Stop Mortar

**- plug mortar used against flowing water -
(swellable, waterproof, fast setting)**

Product description

PT Water-Stop Mortar is a cement based, very fast setting premixed mortar, which has swellable properties. Due to special additives PT Water-Stop Mortar is absolutely watertight against pressurized water. The mortar does not attack reinforcement steel. Exceeds the requirements for concrete repair of EN 1504-3 class R.

Application areas

PT Water-Stop Mortar is used for the immediate sealing of water leaks (pressurized water). This water leaks can happen in tanks, concrete pipes, tunnels, basements and other areas. PT Water-Stop Mortar can also be used for concrete repair and as an admixture in mortar systems to speed up the reaction time.

Product advantages

- **Dry mortar**
- **Absolutely watertight**
- **Exceed the requirements of EN 1504-3 class R**
- **Light filler free**
- **Swellable**
- **Easy application**
- **No shrinkage**
- **Universal usable**
- **Fast setting**
- **Under water application**
- **„Made in Germany“**


Specification

Base	: special cement, additives
Color	: grey
Consistency	: powder
Buld density	: approx. 1.3 kg/dm ³
Pocessing temperature	: + 5°C up to + 35°C
Water requirement	: approx. 300 ml/kg
Compressive strength	: 1 hour approx. 2 N/mm ² 28 days approx. 6,5 N/mm ²

Watertightness according DIN EN 12390-8	: positive side = 4 bar negative side = 4 bar
Chloride content	: < 0,05%
Fire class DIN EN 13501-1	: class A1
Processing time	: approx. 35 seconds
Consumption	: approx. 1.9 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

	proof-tec GmbH Wiesedermeerer Hauptstr. 24 D-26446 Friedeburg 17 EN 1504:3:2005 Unique identification code of the product-type proof-tec -06100 EN 1504-3:ZA.1a Plug mortar for sealing Applying mortar by hand (3.1)											
	<table> <tr> <td>Compressive strength</td> <td>Class R1 (≥10 MPa)</td> </tr> <tr> <td>Chloride ion content</td> <td>≤0,05 %</td> </tr> <tr> <td>Adhesive bond</td> <td>≥0,9 MPa</td> </tr> <tr> <td>Restrained shrinkage/expansion</td> <td>≥0,7 MPa</td> </tr> <tr> <td>Reaction to fire</td> <td>A1</td> </tr> <tr> <td>Dangerous substances</td> <td>NPD</td> </tr> </table>	Compressive strength	Class R1 (≥10 MPa)	Chloride ion content	≤0,05 %	Adhesive bond	≥0,9 MPa	Restrained shrinkage/expansion	≥0,7 MPa	Reaction to fire	A1	Dangerous substances
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Delivery form

12 kg bucket

Article-No. 0610012

Storage

6 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 Water-Stop Mortar. Additionally, the surface must be wet, if necessary the surface has to be opened at least with a 3 cm depth and rinsed out with water.

Material

PT Water-Stop Mortar is mixed with drinking water to a homogeneous lump-free material and must be used within pot life (approx. 35 seconds). Please ensure to mix only the material that can be completely used within the pot life time.

Depending of application area PT Water-Stop Mortar can be formed according to the to be sealed area. When the setting time is reached the material becomes warm and a mat color. At that moment the PT Water-Stop Mortar must be pressed into the water leakage by hand and the pressure has to be held approximately one minute. The overlapping material can be removed within a few minutes with a spatula or trowel. Use warm water and the curing time is shortened.

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

Gloves
Safety glasses
Spatula

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 02/2017

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