

Technical Data Sheet

PT Elastic Slurry 2C

**- elastic sealing slurry -
(highly flexible, crack bridging, white)**

Product description

PT Elastic Slurry 2C is a two component, hydro active, highly elastic, cement and rubber based sealing slurry with very high rubber content. PT Elastic Slurry 2C consist of a cement based powder component (component A) and low viscous rubber dispersion (component B). Due to the formulation the slurry is curing without cracks.

Application areas

PT Elastic Slurry 2C is used for reliable and permanent waterproofing system for all nearly all load cases, up to pressurized water. For tanks it is usable up to 6 m water column according to the official requirements. The system is developed for positive side (outside) waterproofing of buildings and also usable in wet rooms for waterproofing under tiles. It is applicable on nearly all mineral sufficiently solid surfaces with an ideal strength of $>1,5 \text{ N/mm}^2$. Typical application areas are basements, concrete elements, car parkings, water tanks, wet rooms or manholes. PT Elastic Slurry 2C is also usable as waterproofing under walls against rising dampness.

Product advantages

- **Two component (A+B)**
- **According to DIN 1504-2**
- **Absolutely watertight**
- **Crack bridging**
- **Highly elastic**
- **UV-resistant**
- **High solid content**
- **Radon gas tight**
- **Inside and outside usable**
- **Applicable with spraying equipment**
- **Full loadable after 3 days**
- **After 24 hours covering is possible**
- **Easy application, very smooth**
- **Applicable with spraying equipment**
- **„Made in Germany“**


Specification

Base : Cement + quartz sand + polymer
Color : white

Processing temperature	: from + 5°C up to + 35°C
Water vapour permeability μ	: ca. 1.000
Wet density:	: 1,6 g/cm ³
SD-value (CO ₂)	: 200 m (2 mm dry film thickness)
Mising ratio	: 2,5 : 1 by weight
Loadable	: after 3 days
Loadable with pressurized water	: after 7 days
Applicable	: approx. 1.5 hours at 20°C
Consumption	: wet rooms, balconies and terraces approx. 3,5 kg/m ² positive side waterproofing no pressurized water approx. 2 kg/m ² pressurized water approx. 4 kg/m ²

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 1504-2_2004 Unique identification code of the product-type proof-tec -0530 EN 1504-2 – Principle 1.3 Surface protection product - coating EN 1504-2:Z.A.1d und Z.A.1e									
	<table> <tr> <td>Capillary absorption and water Permeability</td> <td>$w < 0,1 \text{ kg/m}^2 \times h^{0,5}$</td> </tr> <tr> <td>Water vapour permeability</td> <td>Klasse 1</td> </tr> <tr> <td>CO₂ permeability</td> <td>S_D-Wert > 50m</td> </tr> <tr> <td>Adhesion strength by pull of test</td> <td>≥ 0,5 N/mm²</td> </tr> <tr> <td>Reaction to fire</td> <td>Class E</td> </tr> </table>	Capillary absorption and water Permeability	$w < 0,1 \text{ kg/m}^2 \times h^{0,5}$	Water vapour permeability	Klasse 1	CO ₂ permeability	S _D -Wert > 50m	Adhesion strength by pull of test	≥ 0,5 N/mm ²	Reaction to fire
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Delivery form

21 kg combi packaging
(15 kg bag powder component + 6 kg canister liquid component)

Article-No. 05300021

Storage

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

Application

Surface preparation

The surface must be mineral, dry or light humid, sound, absorbent and clean. Bonding inhibiting agents such as grease, oil, formwork oil and all loose particles and dust must be removed before application of PT Elastic Slurry 2C. Damaged area like cracks, holes or cavities have to be reprofiled with PT Swelling mortar. Cavities or surface damages >5mm have to be reprofiled with PT Surface Sealing Mortar. The pores of substrate must be open, so PT Elastic Slurry 2C can penetrate. Cracks have to be treated or waterproofed separately by using injection systems. PT Elastic Slurry 2C can be applied on old tiles (ask our technical department). Concrete surface maybe have to be grinded before application.

Material

Wet rooms, balconies and terraces

PT Elastic Slurry 2C (component A + B) should be mixed lump-free and homogeneous in the predetermined mixing ratio in a clean mixing pail by using a low speed mixer. Put firstly 3/4 of the liquid (component B) in a pail and add the whole powder (component A), mix it until a lump-free compound is attained. After 3 minutes add the rest 1/4 of liquid (component B) and mix again. Apply the product by using a hard brush, a wide-paint brush or trowel. The application must be done in minimum 2 layers. The second layer will be applied after the first layer is dry. It is possible to embed the PT Reinforcement Mesh into the slurry. This leads to a higher resistance against mechanical impact. A bonding to joint tapes and sleeve is ensured, we recommend to use fleece coated tape or sleeves.

Positive side waterproofing

Apply the first layer of PT Elastic Slurry 2C be using a brush or trowel. The surface must be light humid, in case surface is dry, pre-wet the surface. Before applying the second layer the first layer must be solid (normally after 3-4 hours, depend on weather conditions). The complete coating has to be secured against mechanical damaging. Drainage- and protection sheets can be installed after complete drying of the sealing slurry. The whole system has to be secured against too fast drying (wind, sun etc.), frost and rain.

Note: Do not add more water to the slurry.

Recommended tools

Brush, trowel, gloves, safety glasses, mixing equipment, spraying device

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 03/2021

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