

# PT Multi-Hybrid Coating 2C

**- hybrid waterproofing coating -  
(universal usable, elastic, crack bridging)**

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## Product description

PT Multi-Hybrid Coating 2C is a two component, hydro active, highly elastic, mineralic/rubber based special coating (FBD) with very high rubber content. PT Multi-Hybrid Coating 2C consist of a powder component (component A) and low viscous rubber dispersion (component B). Due to the formulation PT Multi-Hybrid Coating 2C is curing without cracks. Additionally PT Multi-Hybrid Coating 2C is bitumen and solvent free, universal usable as a reactive waterproofing system. The coating combines the positive properties of a flexible sealing slurry and bitumen thick coating in one product.

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## Application areas

PT Multi-Hybrid Coating 2C is used for positive side below ground waterproofing of buildings according DIN EN 15814 and DIN 18533. It protects underground structures according to DIN 18533 part 3 permanently against W1-E (ground damp and pressure-free water), W2.1-E (moderate action of pressing water  $\leq 3$  m immersion depth), W3-E (pressure-free water on earth-covered ceilings) and W4-E (splash water and ground damp at wall base as well as capillary water in and under walls). The product is suitable for horizontal and vertical areas. The coating can also be used as an intermediate sealing (under cement floors) of floor plates, balconies and terraces. PT Multi-Hybrid Coating 2C is also usable as waterproofing under walls against rising dampness. A special application area is negative side waterproofing of cellars/basements in case a previous waterproofing coating with PT Reactive Slurry – crystalline- is applied.

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## Product advantages

- **Two component (A+B)**
- **Universal usable**
- **Hybrid technology, reactive coating**
- **Bitumen and solvent free**
- **Absolutely watertight**
- **Crack bridging, highly elastic**
- **UV-resistant**
- **High solid content**
- **Radon gas tight**
- **Inside and outside usable**
- **Applicable with spraying equipment**
- **After 2 hours stable against rain**
- **Full loadable after 15 hours**
- **Paint and plaster can be applied on top**
- **Applicable with spraying equipment**
- **Easy application**
- **„Made in Germany“**

## Specification

Base	: Special powder + quarz sand + polymer
Color	: blue
Processing temperature	: + 5°C up to + 35°C
Water vapour permeability $\mu$	: ca. 5.000
Density:	: approx. 1.5 g/cm <sup>3</sup>
SD-value (CO <sub>2</sub> )	: $\geq 15$ m (2 mm dry film thickness)
Mixing ratio	: 1.5 : 1 by weight (A:B)
Loadable	: after 15 hours
Stable against rain	: after 2 hours
Crack bridging	: $\geq 2$ mm
Watertight against pressurized water	: 3 bar, 28 days
Elongation at break	: approx. 80%
Applicable	: approx. 40 minutes at 20°C
Maximum thickness	: 8 mm
Consumption	: approx. 2.0-6.0 kg/m <sup>2</sup> depend of required protection
<b>WATER INFLUENCE CLASSES</b>	<b>CONSUMPTION</b>
W1-E (ground damp and pressure-free water)	3.2 kg/m <sup>2</sup>
W2.1-E (moderate action of pressing water $\leq 3$ m immersion depth)	4.5 kg/m <sup>2</sup>
W3-E (pressure-free water on earth-covered ceilings)	4.5 kg/m <sup>2</sup>
W4-E (splash water and ground damp at wall base as well as capillary water in and under walls)	3.2 kg/m <sup>2</sup>
Scratch coating	1-2 kg/m <sup>2</sup>

The consumption rates shown are minimum values. A separate professional levelling of the substrate, for example by a scratch coating is expected.

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

25 kg combi packaging  
(15 kg powder component + 10 kg liquid component)

Article-No. 05300025

## 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 Multi-Hybridcoating 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 Multi-Hybrid Coating 2C can penetrate. Cracks have to be treated or waterproofed separately by using injection systems. PT Multi-Hybrid Coating 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 Multi-Hybrid Coating 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 Multi-Hybrid Coating 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 02/2017

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