Technical Data Sheet

PT Hydro-Active Coating 1C-H extra

- silane modified special polymer -
(bitumen-free, water-free, solvent-free)

Product description

PT Hydro-Active Coating 1C-H extra (H= horizontal) is a one component, self levelling, elastic, high crack bridging, bitumen-free, water-free and solvent-free special coating on base of silane modified polymers. The product is moisture reactive and curing is without forming of bubbles. This means in areas with high temperature and humidity it leads to a very fast skin building and curing. For this reason, PT Hydro-Active Coating 1C-H extra is applicable in almost all weather conditions. Even at high air humidity the curing is ensured.

_____

Application areas

PT Hydro-Active Coating 1C-H extra is used for below ground waterproofing of exterior basement walls, foundations, floor plates, etc. according to DIN 18195. Especially suitable for joint sealing at watertight concrete buildings in combination with PT Hydro-Active Fleece. The product is suitable for horizontal areas. PT Hydro-Active Coating 1C-H extra can also be used as an intermediate coating (under cement floors) on floor plates, balconies and terraces as well as for the adhesion of rigid foam insulation boards. The material adheres to all dry, slightly wet, mineral surfaces, as well as bituminous surfaces. Anyway PT Hydro-Active Coating 1C-H extra can be used on all kinds of detailed waterproofing and roof waterproofing.

_____

Product advantages
- **One component**
- **Water-free**
- **Bitumen-free**
- **Applicable by brush, roller or spraying device**
- **Fast setting**
- **Fast protection against rain**
- **Highly elastic**
- **High crack bridging**
- **Absolutely watertight**
- **Applicable in almost all weather conditions verarbeiten**
- **Suitable for gluing of rigid foam insulation boards**
- **Solvent-free**
- **Self levelling (PT Hydro-Active Coating 1C-H extra)**
- **Moisture cured**
- **Without lightweight fillers like polystyrene**
- **„Made in Germany"**

_____

Technical Data Sheet

Specification

Base	: silane modified polymer
Color	: light grey
Processing temperature	: + 5°C up to + 35°C
Material temperature at application	: between + 10°C and + 25°C
Density	: approx 1.57 g/m³
Crack bridging	: > 400%
Consistency	: pasty
Drying time between two coatings (1+2)	: approx. 6 hours (+23°C / 50% rel. H)
Curing time	: approx. 21 hours (+23°C/50% rel. H)
Consumption	: approx. 1,5 kg per mm thickness, depend on surface
	Dry film thickness= approx. 1mm
	Maximum coating thickness: 8 mm

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: RS10

_____

Delivery form

7 kg aluminium bag (2 bags per bucket)   Article-No. 13300014
_____

Storage

6 months (frost-free and dry, +5°C up to +35°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 Hydro-Active Coating 1C-H extra. 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. Cracks have to be treated or waterproofed separately by using injection systems. Concrete surfaces maybe require a special treatment before application of the coating by grinding. A primer is recommended but not a must, depend of the surface. A primer increases the bonding to the surface and is additionally a dust binder. On critical surface a trial application is recommended.

_____

Material
PT Hydro-Active Coating 1C-H extra can be applied with a roller, trowel or spraying device on the to be sealed and primed surface. The material is ready to use no mixing is required. A material temperature of +10°C up to +25°C is required.

Firstly, a sealing cove must be created with PT Swelling Mortar in the connection of floor/wall. A proper processing is very important in the area of joints, flashings and cappings as well as penetrations. The

Technical Data Sheet

fresh coating must be protected from sun and rain. We recommend an additional sealing with PT Reactive Slurry Crystalline in the area of the wall/floor connection in order to prevent a negative water pressure on the polymer coating during the construction process.

An application of PT Hydro-Active Coating 1C-H extra in 2 layers is recommended. For below ground waterproofing a consumption of 2.5 – 3,5 kg is required. The quantity can increase because of situation on the site.

In critical areas we recommend to embedd our PT Hydro-Active Fleece, this leads to better technical and mechanical properties oft he whole system. Additionally a controlling of thickness is easier.

In case of application on bituminous surfaces (bitumen coating or bitumen membranes) a discolorization can be observed after curing of PT Hydro-Active Coating 1C-H extra.

The coating has to be protected against damages. Drainage layers and protective layers should be applicated after the coating has completely dried. If possible, tools and equipment should be cleaned immediately after use or use solvents to clean already dried residue.

_____

Recommended tools
Gloves
Spatula
Trowel
Safety glasses

_____

Application areas:

Version 02/2021
All previous versions of this technical data sheet are not valid anymore and should not be used anymore.