PT Anti Mold Plaster

- special plaster, white -
(proof-tec HQ-Technology, alkaline, open for water vapor diffusion)

Product description

PT Anti Mold Plaster is a fiber reinforced and on white cement based dry mortar with high vapor permeability and large pore volume. Due to the low capillary absorbency (hydrophobic pores) the moisture from the substrate can only penetrate in the restoration plaster in water vapor form. The completely cured plaster is alkaline and therefore mold cannot grow on the surface. The plaster surface is free of salt efflorescence. PT Anti Mold Plaster complies with the technical requirements of WTA Guideline 2-9-04. The hydrophobic property (proof-tec HQ Technology) starts very fast, which leads to a high product safety. The hydrophobization can be observed during the plaster has not reacted.

Application areas

PT Anti Mold Plaster is used as repair plaster on humid and mold contaminated masonries inside and outside of buildings. The product is especially used as special plaster in cellars and foundation areas.

Product advantages

- Dry mortar
- Applicable in one layer
- High alkaline
- Hydrophobic pores
- Fiber reinforced
- Hydrophobic in fresh consistancy
- HQ-Technology
- Thixotropic
- White color, no additional paint required
- High pore volume
- Open for vapor diffusion
- Sprayable
- Low chromate diffusion
- „Made in Germany“

Specification

<table>
<thead>
<tr>
<th>Base</th>
<th>white cement, quarz sand, additives</th>
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<tbody>
<tr>
<td>Color</td>
<td>white</td>
</tr>
<tr>
<td>Processing temperature</td>
<td>+ 5°C up to + 30°C</td>
</tr>
<tr>
<td>Bonding strength (fracturing)</td>
<td>&gt; 0.1 N/mm²</td>
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<tr>
<td>Compressive strength</td>
<td>&gt; 2 N/mm²</td>
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proof-tec GmbH • Wiesedermeerer Hauptstr. 24 • D-26446 Friedeburg • GERMANY
T: +49.4948.326999 • info@proof-tec.com • www.proof-tec.com
Technical Data Sheet

Air content : > 30 Vol.-%
Water asorption : W 2
Water requirement : approx. 7-9 l per 20 kg bag
Porosity : according WTA > 40 Vol.-%
Water vapour diffusion resistance (µ-value) : according to WTA < 12
Finishing after : approx. 2.5 hours (depend of surface)
Mixing : approx. 2-3 minutes
Thickness : min. 2 cm
Consumption : approx. 7.5 kg/m²/cm thickness
depend of surface structure the consumption can increase.

All technical datas are measured in our laboratory.

Please take notice about the safety information and advice given on the safety data sheets and packaging labels. GISCODE: ZP1

Delivery form

20 kg bag

Article-No. 12150020

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 Anti Mold Plaster. 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. Dusty or salt damaged surface have to be treated with PT Deep Primer prior application of the restoration plaster. So the substrate is re-solidified and salts are transferred from soluble to insoluble and during curing time of the special plaster no salts can penetrate into the PT Anti Mold Plaster during curing. With mold contaminated surfaces have to be treated with PT Spore Binder before application of plaster.

The old salt and humid damaged “old plaster” must be removed minimum 80 cm above the visible damaged surface. Loose, sandy and damaged material has to be cleaned out of the joints, minimum 2 cm deep. Maybe the surface requires a mechanical cleaning by grinding. Damaged bricks must be replaced. In case of salt damaged and dusty surface, the surface must be treated with PT Deep Primer. Joints and cavities must be reprofiled with PT Swelling Mortar. We don’t recommend to use a steam cleaner or water for cleaning of surface. The use of a pre-plaster applied on 50-60% of the surface is recommended. Before application of PT Anti Mold Plaster the pre-plaster must be cured.
Material
PT Anti Mold Plaster must be mixed with clean water (hand processing approx. 7-9 l per bag, plaster machine processing approx. 225 l/per hour) and a suitable mixing device. A mixing time of 2-3 minutes must be observed. The complete plaster thickness should be minimum 2 cm and maximum 4 cm, depend of surface and salt content. We suggest to coat the surface in two layers. First layer with PT Anti Mold Plasterin 1 cm thickness and let it cure (or roughen it), afterwards fully apply the second layer with 1cm thickness.

The material must be protected from fast drying (through wind, sun, rain). The humidity should not rise over 65% in the room where the plaster is applied.

Recommended tools
- Trowel
- Spatula
- Plaster board
- Gloves
- Safety glasses
- Plaster machine

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.