



HYDROMENT FINE PLASTER

Fine drying plaster

- ▶ Class R according to EN 998-1
- ▶ For manual application
- ▶ For final levelling of the Hydroment drying plaster
- ▶ For indoor and outdoor use
- ▶ If painted it is mandatory to use vapour permeable paint



PRODUCT DESCRIPTION Fine drying plaster based on hydraulic binders, with a high content of special diffusion-open micropores.

FIELD OF USE Internal and external fine drying plaster for the final leveling of HYDROMENT drying plaster, which is generally carried out after approx. 2 - 3 weeks after the primary plastering. Meets the requirements for plaster R according to EN 998 - 1.

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- PROPERTIES**
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PRODUCT DATA	
BASIC INFORMATION	<p>Appearance Grey powder</p> <p>Packing 30 kg in bag (plastificated) / 1260 kg (42 x 30 kg) on pallet</p> <p>Storage and expiration date In a cool and dry place, on a wooden pallet, in the original closed packaging, protected from frost: 365 days. The production date is printed on the packaging.</p>
TECHNICAL DATA	<p>Chemical base Hydraulic binder based plaster</p> <p>Bulk density of powder 1,5 kg/l</p> <p>Weight of fresh mortar 1,8 kg/l</p> <p>Colour Cement grey</p> <p>Grain size D_{max}: 1 mm</p> <p>Compressive strength 4,8 N/mm² (CS II)</p> <p>Strength of adhesion - on substrate 0,2 N/mm²; MP: A</p> <p>Capillary water absorption due to capillary action 0,32 kgm⁻² /24 ur</p> <p>Water penetration after determinating water absorption due due to capillary action 4,78</p> <p>Water vapour permeability coefficient (μ) 10,9</p> <p>Value Sd (m) 0,032 m (minimalna debelina sloja d=3 mm)</p> <p>Thermal value 0,67 W/mK (P=50 %) 0,76 W/mK (P=90 %)</p> <p>Contents of air pores in fresh mortar 30-35 vol.%</p> <p>Water consumption approx.: 8,4 l/30 kg / approx.: 0,28 l/kg</p>

INSTRUCTIONS FOR USE

CONSUMPTION approximately 3,5 kg/m² for a layer thickness of 2 mm.

BASE Hydroment drying plaster which is dry enough.

BASE PREPARATION 0,5 hour prior application the surface is intensively moistened with clean water. Not under any circumstances the base may be primed with primer!

MIX RATIO 8,4 l for 30 kg of dry mixture

MIX TIME HYDROMENT fine drying plaster is a ready made mixture to which exclusively water may be added during the preparation. When using a 80 l mixer, the best results are obtained when two sacks of HYDROMENT fine drying plaster are mixed with water. Add 90% of the mixing water to the mixer and add two bags of dry mixture and stir about approx. 2 minutes. After this time, the mortar must pass into a soft, creamy consistency. If this does not happen, add the remaining 10% of the mixing water and mix to a creamy consistency for a total time of 5 – 10 minutes. The creamy consistency ensures the correct content of micropores, so it can serve us as an indicator of sufficient mixing time. Mix always for a minimum of 5 minutes and a maximum of 10 minutes.

WARNING: Mixing efficiency is not the same for all mixers. In certain cases, too long mixing (mixing after the creamy consistency is already achieved) can cause too many micropores in the fresh plaster and thus a drop in the final strength of the plaster.

Exceptionally, an electric mixer (with attachment for mixing mortars) can also be used for mixing. Pour into the bucket ca. 8,4 liters of water, add 30 kg of dry mixture and stir at low turns for 3 minutes until a slight, creamy consistency is formed.

MIX TOOL Regular construction mixer. Exceptionally, an electric mixer (with attachment for mixing mortar) for mixing mortars can be used.

INSTALLATION HYDROMENT fine drying plaster can be installed 1 - 2 days after installing the primary coarse drying plaster HYDROMENT, but we recommend installing it after approx. 2 - 3 weeks after installation of HYDROMENT drying plaster, especially in older buildings. When installing on external - facade surfaces, we recommend installing a glass, alkali-resistant mesh with 10 X 10 mm windows to prevent micro-cracks. Approx. 30 min. before installing the plaster, the base must be intensively moistened with water. The material is applied to the base and smoothed with a wooden or plastic trowel. After approx. 21 days, the fine plaster can be repainted with a highly vapor-permeable paint. Here, it is very important that the paint has at least the same or higher vapor permeability than HYDROMENT drying plaster (Sd < 0,22 m). The required vapor permeability is achieved by silicate, silicone, mineral paints, lime register and the like. Under no circumstances should dispersion or latex paints be used.

TOOL Wooden or plastic trowel.

CLEANING OF TOOL Clean tools immediately after the use before adhesive hardens. Hardened material on tools can only be removed mechanically.

LIMITATIONS

BASE TEMPERATURE +5°C min./ +30°C max.

AIR TEMPERATURE +5°C min./ +30°C max.

MATERIAL TEMPERATURE +5°C min./ +30°C max.

- WARNINGS**
- HYDROMENT fine plaster can be repainted after approx. three weeks. Only vapor-permeable mineral coatings that allow diffusion (breathing) may be used. These conditions are met by silicate, silicone, mineral paints, lime notes, etc.
 - During plastering and binding the air and surface temperature must not drop below 0°C. Protect freshly installed material from freezing, rain and other weather conditions. The material should not be used at (surface, air, material) temperatures lower than +5°C.
 - Times specified in the technical sheet were measured at the temperature of +23°C and relative air humidity of 50 %. Higher temperatures reduce, while lower temperatures prolong those times.
 - In order to prevent the plaster from drying too quickly while binding, the direct sunshine has to be avoided as well as strong wind. The facade surface has to be protected with protection curtains or sprinkled with water. As well the surface has to be protected from rain while binding.

Recommendation: Remains of unhardened/unset material had to be removed in accordance with the legislation.

Data source: All technical data in this technical sheet was obtained by laboratory research. Actual data may differ due to different working conditions.

Local restrictions: Due to specific local regulations the installed product can differ from country to country. For exact instructions for use a country specific technical sheet should be obtained.

PROOFS

NORMS/ STANDARDS In accordance with European standards 998-1

SAFETY DATA

Irritating. Contains cement. Irritating to eyes, skin and respiratory tract. In case of eye contact wash thoroughly with water at once and consult a doctor. In case of skin contact flood with a lot of water. Keep away from the reach of children. More data on storage, handling and use of mixture can be found in the safety sheet which contains safety, toxicological and ecological data. Warnings on the original packaging should also be considered.



LEGAL BASE

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