



Hydro 1 Plus

Water repellent integral waterproofing additive for mortars and concrete

Product Properties

- Reduces water permeability and absorption in mortars and concrete through hydrophobic action
- Increases durability of mortars and concrete.
- Does not affect setting and hardening times of mortars and concrete
- Prolongs service life of concrete
- Does not influence the shrinkage properties of the mortar and concrete
- Easy mixing and dosing on site
- No transmittance of odor or taste to drinking water when used in the construction of ponds and sanitary works

Areas of Application

- For use in concrete and mortars for underground foundations, overlays and radiers/sill plates in contact with the ground
- Mortar pastes in the first masonry course (eliminating capillary rise of mortar)
- Bathroom and kitchen renders
- Exterior stuccos especially on facades exposed to rain
- Roof slabs and perimeter walls
- Water ponds, swimming pools, canals.
- Hydraulic works in general

Application Notes

Hydro 1 Plus is diluted in the mixing water and stirred until obtaining a homogeneous mixture.

In cement mortars: dilute Hydro 1 Plus in a 1:6 ratio (1 part of Hydro 1 Plus per 6 parts of water), or an approximate amount of 2% of additive in relation to the weight of the normalized and fresh cement. For concrete, an approximate amount of 1-2% of additive in relation to the cement mass.

Before using the additive in mortar or concrete, Hydro 1 Plus must be pre-mixed in the packaging vessel to homogenize the solids and fillers present with the liquid phase.

Solids present may settle to the bottom of the bucket after a few hours of storage and for this reason, premixing is necessary before using the product. This prior agitation can be done manually, without the need to use a mechanical mixer.

General Information

Proper application is the responsibility of the user. Field visits of MC technicians are not to supervise; they are only to recommend technically the installation.

The indications are based on trials that we consider safe and are correct based on our experience. However, not being able to control its application, we are not responsible for damages or losses due to use inappropriateness of the products. The best waterproofing results are obtained with compact concrete and mortar, without voids or nests.

Hydro 1 Plus guarantees good waterproofing in the mortar or concrete mass, provided that the concreting task meets certain minimum requirements dosage, quality of materials, appropriate methods and protection later (cured).

Please note the "General Information on the Use of Concrete Admixtures".



Technical Data for Hydro 1 Plus

Characteristic	Unit	Value	Comments
Density	kg/dm ³	approx. 1.00	+/- 0.02
Rec. Dosage (mortar)	kg	1.0	per 50kg bag of cement
Rec. Dosage (concrete)	kg	0.5 – 1.0	per 50kg bag of cement
Min. application temperature	°C	5	-
Max. application temperature	°C	35	-

Product characteristics for Hydro 1 Plus

Type of Admixture	Water absorption reducing additive
Name of Admixture	Hydro 1 Plus
Colour	White
Consistency	Liquid
Internal Production Supervision in accordance with DIN EN ISO 9001 / DIN EN 934-2/6	
Colour Code	grey / yellow
Form of Delivery	5 kg gallons, 20 kg gallons, 200 kg barrels, 1,000 kg containers

Property specifications are based on laboratory tests and may vary in practical application. To determine the individual technical suitability, preliminary suitability tests should be carried out under the application conditions.

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition 01/2025. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.