

Idrocrete DM

Water repellent hydrophobic waterproofing admixture for concrete

DESCRIPTION

Idrocrete DM is an hydrophobic, water repellent liquid admixture for cementitious mixtures that significantly reduces the absorption of water in hardened concrete and prevents efflorescences.

WHERE TO USE

Idrocrete DM is particularly suitable for applications where concrete with a high water repellent effect is required, but only in conditions in which there is little or no hydrostatic pressure.

Use **Idrocrete DM** to prepare concrete with a low rate of water absorption and to prevent the outcrop of efflorescence stains.

Idrocrete DM is especially recommended as an integral hydrophobic waterproofer for semi-dry concrete such as concrete blocks, sump pits, kerbstones, pavers, etc.

Some application examples

- Concrete foundations.
- Concrete for retaining wall.
- Concrete for underground structures (basements, lift wells, ditches).
- Concrete for sewage treatment tanks, cisterns, canals, etc.

- Semi-dry concrete.
- Precast concrete.

TECHNICAL CHARACTERISTICS

Idrocrete DM is an admixture with a base of special waterproofing agents manufactured from a formula developed in the MAPEI R&D laboratories.

When used in combination with certain types of aggregate and cement, **Idrocrete DM** might alter the properties of concrete at fresh state and the development of its strength due to a variation of the entrapped air value. Preliminary tests with **Idrocrete DM** should always be carried out to verify the technical characteristics of the concrete.

Idrocrete DM is compatible with any type of cement and superplasticiser from the **Mapeplast**, **Mapefluid**, **Dynamon** and **Chronos** ranges.

It can be successfully used for the realization of dry, semi-dry, fluid and super-fluid concrete and grouts.

APPLICATION PROCEDURE

Add **Idrocrete DM** into the mixer after the other constituents (water, cement, and aggregates) and mix until a homogeneous paste is obtained.

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Consistency:	liquid
Colour:	white
Density according to ISO 758 (g/cm³):	1.03 ± 0.02 at +20°C
Main action:	increases impermeability and reduces efflorescence
Classification according to EN 934-2:	water resisting admixture, table 9
Chlorides soluble in water according to EN 480-10 (%):	< 0.1 (absent according to EN 934-2)

Idrocrete DM can also be added together with the mixing water without altering its water repellent effect.

Check the relative Material Safety Data Sheet before handling the product.

CONSUMPTION

Dosage by volume:

from 0.2 to 0.6 l for every 100 kg of cement. Different dosages from those suggested must be previously tested through concrete trials, in addition to consulting MAPEI Technical Services Department.

PACKAGING

Idrocrete DM is available in 25 kg and 200 l drums, 1000 l tanks, and in bulk.

STORAGE

Stored **Idrocrete DM** for 12 months in closed containers. Protect from frost and sunlight.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Idrocrete DM is not considered dangerous according to the current regulation regarding the classification of mixtures. It is recommended to wear protective gloves and goggles and to take the usual precautions for handling chemicals.

For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com

All relevant references for the product are available upon request and from www.mapei.com



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