

IDROCRETE DM

Integral water repellent 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.

TECHNICAL CHARACTERISTICS

Idrocrete DM is water repellent admixture based on special an admixture with a base of special waterproofing agents developed in the MAPEI R&D laboratories.

The addition of **Idrocrete DM** in the concrete mix produces a water repellent thin layer on the walls of the pores reducing the amount of water that permeates the concrete.

Idrocrete DM provides a better resistance of concrete to absorption, potential efflorescence and weather changes. 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.

APPLICATION PROCEDURE

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

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

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

Instructions for the safe use of our products can be found on the latest version of the Safety Data Sheet, available from our website www.mapei.com.

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

Consistency:	liquid
Colour:	white
Density according to ISO 758 (g/cm ³):	1.03 ± 0.02 at +20°C
Main action:	increases water repellent effect 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)
Alkali content (equivalent Na ₂ O) according to EN 480-12 (%):	≤ 1.0

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

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The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.

The most up-to-date TDS can be downloaded from our website www.mapei.com.

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