

Idrocrete S

Water-repellent admixture for concrete

DESCRIPTION

Idrocrete S is a water-repellent, liquid admixture with the capacity to considerably reduce water absorption of hardened concrete and prevent the formation of surface efflorescence.

WHERE TO USE

Idrocrete S is particularly suitable for all those applications where waterproofing properties need to be improved.

Idrocrete S is used to make concrete with low water absorption and to prevent the formation of surface efflorescence.

Idrocrete S is particularly recommended as a mass waterproofing product in the production of concrete structures.

Some application examples

- Foundation concrete.
- Concrete for retaining walls.
- Concrete for structures below ground level (cellars, pits, lift shafts).
- Concrete for depuration tanks, storage tanks, channels, etc.
- Vibration-compressed concrete.
- Ready-mixed concrete.

TECHNICAL CHARACTERISTICS

Idrocrete S is an admixture made from water-repellent components in water emulsion according to a formula developed in the MAPEI Research & Development laboratories.

When **Idrocrete S** is used at a rate of 0.6-1.2% of the weight of the cement, it does not modify the performance characteristics of fresh concrete or the development of its mechanical strength.

We recommend using **Idrocrete S** in combination with a superplasticizer from the **Chronos**, **Dynamon** or **Mapefluid** ranges to make fluid and super-fluid waterproof concrete and to improve the mechanical performance characteristics of hardened conglomerate.

HOW TO USE

Add **Idrocrete S** in the mixing unit after all the other ingredients (water, cement and aggregates) and mix to form an even blend.

CONSUMPTION

Dosage in volume:

from 0.6 to 1.2 kg per 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 S is supplied in 10 and 25 kg cans.

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:	increase in waterproofing capacity and reduction of efflorescence
Classification according to EN 934-2:	water-resistant admixture, table 9
Water-soluble chloride content according to EN 480-10 (%):	< 0.1 (absent according to EN 934-2)

STORAGE

Store **Idrocrete S** for 12 months from frost and exposure to direct sunlight.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Idrocrete S is not considered hazardous according to current norms and guidelines regarding the classification of mixtures. However, we recommend using protective gloves and goggles, and to take the usual precautions for handling chemical products. 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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