

Idrocrete MN

Integral Water Repellent for Concrete

FOR PROFESSIONAL USE ONLY

DESCRIPTION

Idrocrete MN is a high-efficiency, liquid water repellent for the concrete industry. It should be used for superior control of water absorption, reduction of efflorescence and, in general, to minimize water penetration and leakage in various concrete applications.

APPLICABLE STANDARDS

Idrocrete MN conforms to ASTM E514.

Idrocrete MN minimizes the water absorption rate under low pressure, as measured using the RILEM Test Method No. 11.4.

WHERE TO USE

The principal applications for *Idrocrete MN* are:

Ready-mix concrete:

- Concrete driveways

Precast concrete:

- Drycast masonry
 - Blocks
 - Roof tiles
 - Segmental retaining wall (SRW) units
 - Paving stones
 - Vibro-compressed concrete

- Wetcast masonry
 - Architectural precast
 - Stone veneer
- Colored concrete

ADVANTAGES

Thanks to its special formulation, *Idrocrete MN* increases capillary waterproofing properties of concrete to impede the penetration of water and the formation of efflorescence. It is suitable to be used as an integral admixture for the production of concrete. *Idrocrete MN* will not alter the properties of fresh concrete.

The use of *Idrocrete MN* will enhance the vibrance of colored concrete.

COMPATIBILITY WITH OTHER PRODUCTS

Idrocrete MN is compatible with all types of Portland cement, Class C and Class F fly ash, ground-granulated blast-furnace slag (GGBFS), silica fume and MAPEI admixtures.

MIXING

Add *Idrocrete MN* with the batching water or, preferably, after the addition of all other ingredients (cement, aggregates, water and, where required, oxide colorants). Mix until homogeneity is obtained. In general, a mixing time of 90 seconds is required.

DOSAGE RATES

Recommended dosages of *Idrocrete MN* are:

- For efflorescence reduction: 1 to 4 U.S. oz. per cwt (65 to 260 mL per 100 kg) of cementitious materials.
- For water repellency: 2 to 6 U.S. oz. per cwt (130 to 390 mL per 100 kg) of cementitious materials.

For dosage rates outside these typical ranges, contact MAPEI's Technical Services Department.

Technical Data

Consistency	Liquid
Color	White
Density	7.68 lbs. per U.S. gal. (0.92 kg/L)
Corrosivity	Non-corrosive. <i>Idrocrete MN</i> does not contain calcium chloride or other chloride-based components. Its use will not contribute to the increased corrosion of reinforcing steel in concrete.

PACKAGING

Idrocrete MN is available in 55-U.S.-gal. (208-L) drums and in 275-U.S.-gal. (1 041-L) totes.

STORAGE

Idrocrete MN can be stored for 6 months in its original, unopened packaging at temperatures between 50°F and 70°F (10°C and 21°C).

ADDITIONAL INFORMATION

Refer to the SDS for specific data related to health and safety as well as product handling.

For information on MAPEI's commitment to sustainability and transparency, as well as how MAPEI products may contribute to green building standards and certification systems, contact sustainability_USA@mapei.com (USA) or sustainability-durabilite@mapei.com (Canada).

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement nor replace requirements per the TDS in effect at the time of the MAPEI product installation. For the most up-to-date TDS and warranty information, please visit our website at www.mapei.com. **ANY ALTERATIONS TO THE WORDING OR REQUIREMENTS CONTAINED IN OR DERIVED FROM THIS TDS SHALL VOID ALL RELATED MAPEI WARRANTIES.**

Before using, the user must determine the suitability of our products for the intended use, and the user alone assumes all risks and liability. **ANY CLAIM SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING TO US WITHIN FIFTEEN (15) DAYS FROM DATE IT WAS, OR REASONABLY SHOULD HAVE BEEN, DISCOVERED.**

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For the most current product data and BEST-BACKEDSM warranty information,
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