

Mapeplast N

Water-Reducing Admixture

FOR PROFESSIONAL USE ONLY

DESCRIPTION

Mapeplast N is a normal-setting, multi-component, highly concentrated, water-reducing and retarding admixture for concrete. It will increase strengths, improve workability and finishing characteristics.

WHERE TO USE

Mapeplast N is used in all concrete where the following characteristics are required:

Plastic concrete:

- Reduced mix water requirement needed to produce a given slump or consistency (reduced water-cement ratio)
- Improved workability

Hardened concrete:

- Increased compressive and flexural strengths
- Reduced cracking and shrinkage
- Reduced permeability and increased watertightness
- Increased freeze/thaw resistance
- Superior surface appearance

APPLICATION PROCEDURE

Mapeplast N is typically added with the initial mixing water or incorporated with the final water at the end of the batch sequence. *Mapeplast N* can be added at the jobsite if required.

COMPATIBILITY WITH OTHER PRODUCTS

Mapeplast N is compatible with most MAPEI products for preparing quality concrete. It is especially compatible with:

- High-range water reducers from the MAPEI line.
- MAPEI-approved air-entraining admixtures.
- MAPEI-approved non-chloride and chloride accelerators.
- MAPEI-approved viscosity-modifying admixtures.
- Silica-fume-based powder additions.
- Fly ash and any other kind of cementitious addition.
- All types of Portland cements.
- MAPEI-approved form-release agents.

MAPEI's Technical Services Department is available to evaluate which admixture or admixture packages are most suitable for any specific need. Contact MAPEI's Technical Services Department for further advice.

For best results, each admixture must be dispensed separately into the concrete.

DOSAGE RATES

Mapeplast N is recommended for use at a dose of 2 to 8 U.S. oz. per 100 lbs. (130 to 522 mL per 100 kg) of cementitious material.

Mapeplast N may cause minimal retardation when used outside the recommended dosage rates. Contact MAPEI's Technical Services Department for recommended dosages and for assistance when using the product, if using this product outside recommended dosage ranges or when combining with other admixtures.

PACKAGING

Mapeplast N is available by bulk delivery, in 55-U.S.-gal. (208-L) drums and in 275-U.S.-gal. (1 040-L) totes.

STORAGE

Mapeplast N can be stored for 1 year in sealed containers.

Mapeplast N may freeze at temperatures below 29°F (-2°C). Although freezing does not harm *Mapeplast N*, precautions should be taken to protect it from freezing. If it should freeze, thaw and reconstitute it with mechanical agitation. Do not use pressurized air for agitation.

Technical Data

Consistency	Liquid
Color	Dark brown
Density	9.79 lbs. per U.S. gal. (1.174 kg per L)
Primary function	Increases workability and/or reduction of mixing water
ASTM C494 classification	Type A and Type D
AASHTO M194 classification	Type A and Type D
Corrosivity	Non-corrosive. <i>Mapeplast N</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.

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.**

CONTACT INFORMATION

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Customer Service

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For the most current product data and BEST-BACKEDSM warranty information,
visit www.mapei.com.
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