

Mapeplast MR107

Water-Reducing and Set-Retarding Admixture

FOR PROFESSIONAL USE ONLY

DESCRIPTION

Mapeplast™ MR107 is a multi-usage admixture that when used at a low dosage, provides water-reduction with no impact on set-time. However, at higher dosages, while providing additional water reduction, it also delays set, and as such, *Mapeplast MR107* conforms to ASTM C494 Type A, B and D and CSA A23.1. *Mapeplast MR107* increases strength and improves workability and finishing characteristics.

WHERE TO USE

Mapeplast MR107 is used in all concrete where the following characteristics are required:

- Reduced mix water requirement needed to produce a given slump or consistency (reduced water-cementitious ratio)
- Improved workability
- Increased compressive and flexural strength
- Reduced cracking and shrinkage
- Reduced permeability and increased water tightness
- Increased freeze-thaw resistance
- Superior surface appearance

APPLICATION PROCEDURE

Mapeplast MR107 is typically added with the initial mixing water or incorporated with the final water at the end of the batch sequence. *Mapeplast MR107* can be added at the jobsite if required.

COMPATIBILITY WITH OTHER PRODUCTS

Mapeplast MR107 is compatible with all MAPEI products for preparing quality concrete. 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 MR107 is recommended for use at a dosage of 125 to 250 mL per 100 kg when used as an ASTM C494 Type A Water-Reducer and at a dosage of 275 to 400 mL per 100 kg as a Set-Retarder (Type B) and Water-Reducer/Set Retarder (Type D). 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 MR107 is available by bulk delivery, in 208-L drums and 1 041-L totes.

STORAGE

Mapeplast MR107 can be stored for 12 months in sealed containers. *Mapeplast MR107* may freeze at temperatures below 0°C. Although freezing does not harm *Mapeplast MR107*, precautions should be taken to protect it from freezing. If it should freeze, thaw and reconstitute with mechanical agitation. Do not use pressurized air for agitation.

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 (TDS), available from our website www.mapei.ca

Technical Data (typical values)

Product Characteristics	
State	Liquid
Color	Dark brown
Density	1.1 kg per L
Main action	Increased workability and/or reduction of mixing water
ASTM C494 classification	Type A, B and D
Corrosivity	<i>Mapeplast MR107</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 Safety Data Sheet (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-durabilite@mapei.com.

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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