

Mapefast HE

Water-Reducing, Accelerating Admixture

FOR PROFESSIONAL USE ONLY

DESCRIPTION

Mapefast HE (formerly known as Polychem HE) is a chloride-based liquid admixture containing water-reducing and accelerating components. *Mapefast HE* can be used to accelerate the setting characteristics of concrete and promote early strength gain of concrete. *Mapefast HE* meets the requirements of ASTM C494 as a Type C and Type E, CRD C87 and AASHTO M194.

WHERE TO USE

- Ready-mixed concrete
- Precast concrete
- Cold-weather concreting
- Paving
- Flatwork

ADVANTAGES

- Decreased setting time in cold weather
- Increased early strength gain
- Reduced cold-weather/heat-protection requirement
- Earlier concrete finishing

MIXING

Mapefast HE is typically added with the initial mixing water or incorporated with the final mix water at the end of the batch sequence. *Mapefast HE* can also be added on the jobsite as necessary.

COMPATIBILITY WITH OTHER PRODUCTS

Mapefast HE is compatible with most MAPEI admixtures. It is especially compatible with:

- MAPEI water-reducing admixtures.
- MAPEI-approved air-entraining admixtures.
- MAPEI-approved accelerators.
- MAPEI-approved retarders and slump extenders.
- MAPEI-approved viscosity-modifying admixtures.
- Silica fume.
- Fly ash and any other mineral addition.
- MAPEI-approved form-release agents.

LIMITATIONS

Mapefast HE contains calcium chloride. It is not recommended for use in steel-reinforced, pre-stressed or post-tensioned concrete.

DOSAGE RATES

Mapefast HE is recommended for use at a dosage rate of 8 to 32 U.S. oz. per cwt (520 to 2 090 mL per 100 kg) of cementitious material. Dosage rates outside of the suggested range should be tested before using in production. Contact MAPEI's Technical Services Department for assistance.

PACKAGING

Mapefast HE is available by bulk delivery, in 55-U.S.-gal. (208-L) drums and in 275-U.S.-gal. (1 041-L) totes.

STORAGE

Mapefast HE can be stored for 18 months in sealed containers.

Technical Data

Consistency	Liquid
Color	Brown
Density	11.02 lbs. per U.S. gal. (1.32 kg per L)
Primary function	Water-reducing and accelerating admixture
Classification according to ASTM C494	Type C and Type E
Classification according to AASHTO M194	Type C and Type E

ADDITIONAL INFORMATION

Refer to the Safety Data Sheet 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,
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