

Mapeplast KB-1200

Finishing Aid and Water Reducer

FOR PROFESSIONAL USE ONLY

DESCRIPTION

Mapeplast KB-1200 (formerly Polychem KB-1200) is used in all concrete where ease of placement, normal set times and increased workability are desired. Used in all flatwork, curb mixes and walls, *Mapeplast KB-1200* is compatible with a wide range of cements, fly ashes and aggregates. *Mapeplast KB-1200* provides concrete with lower permeability, little or no bleeding, and greater workability at the surface. *Mapeplast KB-1200* does not contain calcium chloride.

FEATURES AND BENEFITS



- Tested and certified by WQA in accordance with NSF/ANSI/CAN Standard 61 and NSF/ANSI 372. For NSF/ANSI/CAN Standard 61 and NSF/ANSI 372 usage restrictions, visit www.wqa.org.

WHERE TO USE

Mapeplast KB-1200 is used in all concrete where ease of placement, normal set times and increased workability are desired. *Mapeplast KB-1200* is used in all flatwork, curb mixes and walls. *Mapeplast KB-1200* provides concrete with lower permeability, little or no bleeding and greater workability at the surface, and in summary the following advantages:

- Increased workability and finishability without extending set time even in mixes with reduced amounts of cementitious material
- Reduced segregation, even with very high slumps
- Increased pumpability

- Increased relative durability to freezing and thawing
- Increased compressive and flexural strength
- Superior finishing characteristics for flatwork, walls, curb and tilt-up
- Better retention of slump than conventional water reducers
- Lower water-cement ratio

APPLICATION PROCEDURE

Mapeplast KB-1200 is typically added with the initial mixing water or incorporated with the final water at the end of the batch sequence. *Mapeplast KB-1200* can be added at the jobsite if required.

COMPATIBILITY WITH OTHER PRODUCTS

Mapeplast KB-1200 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 retarders and slump extenders.
- 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 KB-1200 is recommended for use at a dose of 3 to 12 U.S. oz. per 100 lbs. (195 to 780 mL per 100 kg) of cementitious material.

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 KB-1200 is available by bulk delivery, in 55-U.S.-gal. (208-L) drums and 275-U.S.-gal. (1 041-L) totes.

STORAGE

Mapeplast KB-1200 can be stored for 18 months in sealed containers.

Mapeplast KB-1200 may freeze at temperatures below 20°F (-7°C). Although freezing does not harm *Mapeplast KB-1200*, 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	10.51 lbs. per U.S. gal. (1.26 kg per L)
Primary function	Increases workability and/or reduction of mixing water
ASTM C494 classification	Type A and Type F
AASHTO M194 classification	Type A and Type F
Corrosivity	Non-corrosive. <i>Mapeplast KB-1200</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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Concrete and heavy construction: 1-888-365-0614

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1-800-361-9309

Customer Service

1-800-42-MAPEI (1-800-426-2734)

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