

Mapecrete VMA

Viscosity-Modifying Admixture

DESCRIPTION

Mapecrete VMA (formerly Polychem VMA) is a liquid admixture specially formulated to improve the viscosity of highly flowable mixtures, decrease the potential for segregation and improve the finishing characteristics of lean concrete mixtures. *Mapecrete VMA* is recommended for use in self-consolidating concrete (SCC), concrete containing manufactured sand and high water-to-cement ratio mixes.

WHERE TO USE

- Ready-mixed concrete
- Precast/pre-stressed concrete
- Self-compacting concrete (SCC)
- Paving
- Flatwork
- Harsh concrete mixtures

ADVANTAGES

Mapecrete VMA allows tight control of the cohesion of the cementitious paste, and the production of self-compacting, cementitious mixes with a reduced content of ultra fine particles. *Mapecrete VMA* avoids segregation and bleeding of the concrete, helping to maintain the fluidity and passing ability of the concrete. Other benefits are:

- Increased cohesiveness
- Reduced surface bleed water
- Reduced segregation
- Improved finishability
- Pumping aid

MIXING

Add *Mapecrete VMA* in the concrete mixer after adding all the other ingredients (cement, aggregates, water and plasticizing admixtures). Mix until a homogenous consistency is obtained. *Mapecrete VMA* can also be added on the jobsite as necessary.

COMPATIBILITY WITH OTHER PRODUCTS

Mapecrete VMA is compatible with most MAPEI admixtures. It is especially compatible with:

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

DOSAGE RATES

Mapecrete VMA is generally recommended for use at a dosage rate of 2 to 10 U.S. oz. per cwt (130 to 650 mL per 100 kg) of cementitious material. Lower dosages of the product of 1 to 2 U.S. oz. per cwt (65 to 130 mL per 100 kg) of cementitious material are suggested for finishing aid applications.

Dosage rates outside of the suggested range should be tested before use in production. Contact MAPEI's Technical Services Department for assistance.

PACKAGING

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

STORAGE

Mapecrete VMA can be stored for up to 1 year in original sealed containers. *Mapecrete VMA* should be stored at temperatures above 40°F (4°C) to avoid thickening. Dispenser issues will result if the product freezes.

Technical Data

Consistency	Liquid
Color	Brown
Density	8.51 lbs. per U.S. gal. (1.02 kg per L)
Primary function	Viscosity-modifying admixture
ASTM classification	C494, Type S

AASHTO classification

M194, Type S

Corrosivity

Non-corrosive. *Mapecrete VMA* 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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For the most current product data and BEST-BACKEDSM warranty information,
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