

Hydrogel Marine [NA]

Liquid Polymer Gel Additive for Cementitious Mortar



FOR PROFESSIONAL USE ONLY

DESCRIPTION

Hydrogel Marine [NA] liquid additive is mixed with *Mapecem Marine 1000* [NA] to form *Mapecem Marine Hybrid* [NA], which is a rapid-curing, lightweight, hydrophobic, shrinkage-compensated, cement-polymer-based screed mortar.

TECHNICAL CHARACTERISTICS

The addition of *Hydrogel Marine* [NA] improves the mechanical strength and hydrophobic properties of *Mapecem Marine Hybrid* [NA] screed mortar, which reduces surface porosity.

LIMITATIONS

- Do not apply if the temperature is lower than 41°F (5°C) or above 95°F (35°C).
- Do not dilute the *Hydrogel Marine* [NA] or add water or additives to the mixture, other than *Mapecem Marine 1000* [NA].

MIXING

Before product use, take appropriate safety precautions. Refer to the Safety Data Sheet for details.

1. Shake the container of *Hydrogel Marine* [NA] well before mixing.
2. Pour the 75.4 U.S. oz. (2.23 L) of *Hydrogel Marine* [NA] into a suitable, clean mixing container.
3. Slowly add about half of the 25-lb. (11.3-kg) bag of *Mapecem Marine 1000* [NA] while mixing with a low-speed electric mixer (300 to 450 rpm) until the mixture is smooth and lump-free.
4. Add the remaining half of *Mapecem Marine 1000* [NA] and continue mixing at a low speed (300 to 450 rpm) until a smooth and compact mixture of *Mapecem Marine Hybrid* [NA] screed mortar is achieved.

For instructions on how to apply **Mapecem Marine Hybrid** [NA] screed mortar, see the System Technical Data Sheet.

Product Performance Properties

Laboratory Tests	Results
Density	1.023 g per cm ³
pH	6

Shelf Life and Product Characteristics

Shelf life	1 year when stored in original, unopened packaging in a dry place at temperatures between 41°F and 95°F (5°C and 35°C)
Storage conditions	Store in a dry area at 41°F to 95°F (5°C to 35°C)
Mix ratio	One 75.6-oz. (2.236-L) jerrycan of Hydrogel Marine [NA] per 25-lb. (11.3-kg) bag of Mapecem Marine 1000 [NA]
Consistency	Gel
Color	Light blue
IMO Med certification	Non-combustible material

Packaging

Jerrycan: 75.6 U.S. oz. (2.236 L)

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_USA@mapei.com (USA).

WARNING

The test results shown in the TECHNICAL DATA table were obtained in compliance with test methods and curing cycles, if applicable, defined in the industry standards referenced on the Technical Data Sheet. Please note that the use of test procedures or methods other than those indicated in the table could lead to different values and that, in such cases, any liability of our company is excluded.

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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.**

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