

Mapeair Zero

Air-Detraining Admixture for Concrete



NORTH AMERICA [NA]

FOR PROFESSIONAL USE ONLY

DESCRIPTION

Mapeair Zero [NA] is an air-detraining admixture that may be used in both ready-mix and precast concrete.

WHERE TO USE

Mapeair Zero [NA] provides an efficient way of minimizing entrapped air in cast-in-place slabs not exposed to freezing conditions. It can also be used in the production of high-performance concrete where a maximum density is critical for achieving better performance.

TECHNICAL CHARACTERISTICS

Mapeair Zero [NA] eliminates unwanted entrained air without affecting fluidity or setting times. *Mapeair Zero* [NA] has no plasticizing capacity, so when used in fluid and super-fluid concrete, it must always be added in combination with a super-plasticizing admixture. In special cases, where the workability of the concrete is improved by its air content, adding *Mapeair Zero* [NA] to the mix may require a slight increase in the amount of super-plasticizer.

COMPATIBILITY WITH OTHER PRODUCTS

Mapeair Zero [NA] is compatible with other products used in the production of high-quality concrete.

HOW TO USE

Mapeair Zero [NA] may be added to concrete anytime during the mixing phase, to the mixing water or directly to the concrete of the mixer truck or of the pre-mixing unit. It is recommended to extend the mixing time until a well-blended mix is obtained and the admixture is evenly dispersed.

DOSAGE RATES

From 0.5 to 2.5 U.S. oz. per cu. yd. (20 to 100 mL per m³) of concrete. If different dosages from those suggested will be used, those dosages must be previously tested through concrete trials, and MAPEI's Technical Services Department should be consulted.

PACKAGING

Mapeair Zero [NA] is available in 4.76-U.S.-gal. (18-L) pails and 53.5-U.S.-gal. (204-L) drums.

STORAGE

Mapeair Zero [NA] may be stored for 1 year in sealed containers, protected from frost and sources of heat. *Mapeair Zero* [NA]'s color may change in time, without its performance characteristics being altered.

Technical Data

(typical values)

Physical state	Liquid
Color	Clear
Density	8.3 lbs. per U.S. gal. (1.00 kg per L)
Flash point	> 201°F (93.9°C)
Main action	Reduces unwanted entrained air
Corrosivity	Non-corrosive. <i>Mapeair Zero</i> [NA] 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

MAPEI Headquarters of North America

1144 East Newport Center Drive
Deerfield Beach, Florida 33442
1-888-US-MAPEI (1-888-876-2734) / (954) 246-8888

Technical Services

U.S. and Puerto Rico:

Flooring: 1-800-992-6273

Concrete and heavy construction: 1-888-365-0614

Canada:

1-800-361-9309

Customer Service

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

Edition Date: June 7, 2023 MK 3003372 (23-1597)

For the most current product data and BEST-BACKEDSM warranty information,
visit www.mapei.com.
All Rights Reserved. © 2023 MAPEI Corporation.

