

Mapeair AE 10 [NA]

Air-Entraining Admixture

NORTH AMERICA [NA]

DESCRIPTION

Mapeair AE 10 [NA] is a ready-to-use, air-entraining agent in an aqueous solution of natural wood rosin. *Mapeair AE 10 [NA]* is used in exterior concrete such as sidewalks, curbs, highway paving, bridge decks and parking structures, as well as any other areas requiring air entrainment to aid in protection from de-icing salts and freeze/thaw damage. *Mapeair AE 10 [NA]* meets or exceeds ASTM C260 and AASHTO M154.

WHERE TO USE

Mapeair AE 10 [NA] is used in exterior concrete such as sidewalks, curbs, highway paving, bridge decks and parking structures, as well as any other areas requiring protection from de-icing salts and freeze/thaw damage.

ADVANTAGES

- Improved resistance to freeze/thaw
- Reduced permeability of the concrete and improved resistance to de-icing salts
- Improved workability of the plastic concrete due to the lubricating action of microscopic air bubbles
- Reduced bleeding

MIXING

Mapeair AE 10 [NA] may be added together with the mixing water or directly into the sand. The development of the air required is improved if the concrete is then thoroughly mixed.

Concrete mixtures should be tested regularly with air meters during production to verify that the air content meets the technical requirements and project specifications.

COMPATIBILITY WITH OTHER PRODUCTS

Mapeair AE 10 [NA] is compatible with most MAPEI admixtures. It is especially compatible with:

- *Mapecplast* and *Dynamon*® water-reducing admixtures.
- *Mapecfast* accelerators.
- *Mapetard* set retarders and *Dynamon* slump extenders.
- *Mapecube* strength enhancers.
- *Mapecrete*® specialty admixtures (expansive agents, viscosity-modifying and hydration control).
- Supplementary cementitious materials (silica fume, fly ash, slag and other pozzolans).
- *Mapecform*® form-release agents.

DOSAGE RATES

The dosage rate of *Mapeair AE 10* [NA] required to obtain a given percentage of entrained air will vary depending on slump, ambient temperature, temperature of the mix, use of fly ash, sand gradations and the type of cement. *Mapeair AE 10* [NA] is normally used at 0.5 to 3 U.S. oz. per cwt (10 to 200 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

Mapeair AE 10 [NA] is available in packaging sizes measuring 5 U.S. gals. (18.9 L), 55 U.S. gals. (208 L) and 275 U.S. gals. (1 040 L), and in bulk delivery.

STORAGE

Mapeair AE 10 [NA] can be stored for 1 year in original sealed containers at temperatures above 32°F (0°C). Protect from freezing.

Technical Data

Consistency	Liquid
Color	Amber
Density	8.39 lbs. per U.S. gal. (1.00 kg per L)
Primary function	Air entrainment
ASTM classification	C260
AASHTO classification	M154

Corrosivity

Non-corrosive. *Mapeair AE 10* 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 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).

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.

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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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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