

Mapedek Epofloor [NA]

Two-Component, Epoxy Coating Used to Create Colored Seamless Floor for Internal Decks on Ships



WHERE TO USE

Mapedek Epofloor [NA] is suitable for creating self-leveling or multi-layered resin coatings on internal decks on ships.

TECHNICAL CHARACTERISTICS

Mapedek Epofloor [NA] is a two-component, nonylphenol-free, colored, pre-filled epoxy-resin based formulation developed in the MAPEI R&D laboratories.

Mapedek Epofloor [NA] is highly versatile and is applied in layers up to 1/8" (3 mm) thick to form colored seamless coatings with good resistance to chemicals, mechanical stress and abrasion. The product is suitable for both "self-leveling" and "multi-layered" coating systems.

RECOMMENDATIONS

- Do not dilute with solvent or water.
- Do not apply on surfaces with oil or grease stains, or with dirt in general.
- Do not apply on dusty or crumbling surfaces or on surfaces with detached areas.
- Do not expose the mixed product to sources of heat.
- Do not apply directly on cementitious substrates with more than 4% moisture content.

APPLICATION PROCEDURE

Preparation of the substrate

Surfaces where the product is to be applied must be dry and clean and have no traces of oil, grease or any other material or substance that could affect adhesion.

Mapedek Epofloor [NA] is applied on epoxy compounds (such as **Mapedek Eposcreed Lite**). For other types of compounds, verify that the application surface is compatible with **Mapedek Epofloor** [NA] before application.

Application

Mapedek Epofloor [NA] is a two-component epoxy formula, and its two components must be mixed together before application.

Mix Component A thoroughly and add the contents of Component B. Mix again with an electric mixer at low speed (300 to 400 rpm) to prevent entraining air into the product for at least 2 to 3 minutes until the mix is completely blended.

Do not mix the product for too long, in order to avoid entraining too much air into the mix.

Apply the mix within the specified open time. Maintain the ambient and product temperatures between 41°F and 86°F (5°C and 30°C). Temperatures above or below 73°F (23°C) will reduce or increase the open time indicated.

Self-leveling coatings

Apply **Mapedek Epofloor** [NA] with a notched steel spreader or V-notched trowel. Monitor the coverage/consumption rate according to the thickness to be applied. Go over the surface with a spiked roller several times while the product is still wet to even out the thickness of the coat and to remove any air entrapped in the product.

Multi-layered coatings

Add 20% to 30% by weight of graded, clean, dry quartz sand during the mixing process. Selection of the particle size or grade will depend on the degree of surface roughness required.

After application of the product, broadcast the surface with quartz sand while the product is still wet. Select a suitable particle size of quartz sand to achieve the degree of surface roughness required. When the product has hardened, remove any excess quartz sand, lightly sand the surface, remove all traces of dust and apply another coat of **Mapedek Epofloor** [NA], down to a featheredge thickness, with a straight spreader or a squeegee.

CLEANING

Clean tools used to prepare and apply **Mapedek Epofloor** [NA] with ethanol or thinners immediately after use. Once hardened, the product can only be removed mechanically.

COVERAGE/CONSUMPTION

0.455 lbs. / 1 sq. ft. per 1/16" (1.4 kg / m² per mm) of thickness

PACKAGING

44.1 lbs. (20 kg) metal can (A+B):

- Component A = 35.3 lbs. (16 kg)
- Component B = 8.82 lbs. (4 kg)

STORAGE

Store **Mapedek Epofloor** [NA] in a dry place at a temperature between 41°F and 95°F (5°C and 35°C). Shelf life is 2 years in the original, sealed packaging.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

When the product reacts, it generates considerable heat. After mixing Components A and B, apply the product as soon as possible and never leaving the container unattended until it is completely empty.

Instructions for the safe use of our products can be found on the latest version of the Safety Data Sheet, available from our website www.mapei.com.

PRODUCT FOR PROFESSIONAL USE.

Technical Data

Product Information	
Color	Unlimited customized color options using MAPEI's ColorMap™ automatic coloring system
Consistency	Thick liquid
Density of mix	1.38 g/cm ³
Application Data at 73°F or 23°C and 50% relative humidity	
Mixing ratio by weight	Comp. A : Comp. B = 80 : 20
Mixing ratio in volume	Comp. A : Comp. B = 2.6 : 1
Application temperature	From 41°F to 86°F (5°C to 30°C)
Workability time	35 minutes
Ready for foot traffic	12 hours
Complete hardening time	7 days
Final Performance after 7 days	
Shore D hardness (DIN 53505)	80
Taber test (1000 cycles – 1000 g – CS17)	70 mg
Compressive strength (EN 196-1)	8,702.26 psi (60 N/mm ²)
Flexural strength (EN 196-1)	5,076.32 psi (35 N/mm ²)

Certifications and Classifications

IMO MED

Surface materials and floor coverings with low flame-spread characteristics

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.

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,
visit www.mapei.com.
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