

Mapedek Epofloor CPT

Two-Component, Self-Leveling, Colored, Granular, Epoxy-Based Decorative Coating for Internal Ship Decks



DESCRIPTION

Mapedek Epofloor CPT is a decorative, self-leveling, granular, finish resin coating for interior ship decks subject to medium to heavy traffic loads.

TECHNICAL CHARACTERISTICS

Mapedek Epofloor CPT is a two-component, epoxy resin-based formula with a colored granular finish. **Mapedek Epofloor CPT** has excellent mechanical strength, making it suitable for floors subject to medium to heavy traffic loads.

RECOMMENDATIONS

- Do not dilute with solvent or water.
- Do not apply on substrates contaminated with dust, dirt, oil, grease or stains.
- Do not apply on surfaces that are dirty, dusty, deteriorated or delaminated.
- Do not apply on cementitious substrates with more than 4% moisture content.
- Do not expose the mixed product to sources of heat.
- Protect the flooring from water for at least 24 hours after application.

PREPARATION OF THE SUBSTRATE

The surfaces where the product is to be applied must be well supported, dry, and clean with no traces of oil, grease or any other substance that could affect adhesion. Any cracks, holes OR damaged parts in the substrate must be repaired.

Mapedek Epofloor CPT is typically applied over properly prepared epoxy-based substrates such as **Mapedek Eposcreed Lite**. For other substrate types, verify their compatibility with **Mapedek Epofloor CPT** before application.

MIXING

Mapedek Epofloor CPT is a two-component epoxy formulation, and both components must be mixed together prior to application. Begin by mixing **Mapedek Epofloor CPT** Component A using an appropriate mixing paddle and a mixer at low speed (300 to 450 rpm) until a smooth lump-free consistency is achieved. Next add the **Mapedek Epofloor CPT** Component B to the Component A and mix at low speed (300 to 450 rpm) for about 2 to 3 minutes, until a smooth lump-free consistency is achieved. Do not overmix the product, to avoid air entrainment of the mixture.

APPLICATION

Apply **Mapedek Epofloor CPT** mix to the substrate using a flat trowel in a thickness of about 78 mils (2 mm). Note that using a flat trowel prevents the appearance of trowel marks in the finished surface.

Apply **Mapedek Epofloor CPT** mix within its workability time. During application, maintain the ambient and product temperature within the recommended temperature range as specified in Application Data chart of this Technical Data Sheet. Temperatures above 73°F (23°C) will reduce the workability time, and temperatures below 73°F (23°C) will increase workability time.

CLEANING

While it is fresh, **Mapedek Epofloor CPT** can be cleaned from tools and other surfaces with an alcohol-based solvent or thinner. Once hardened, the product can only be removed mechanically.

COVERAGE/CONSUMPTION*

0.439 lbs./sq. ft. per 1/16 in. (1.35 kg/m² per mm) thickness

**Coverage shown is for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions and installation practices.*

PACKAGING

Can (A+B): 37.03 lbs. (16.8 kg)

- Component A: 30.42 lbs. (13.8 kg)
- Component B: 6.61 lbs. (3 kg)

STORAGE

The product can be stored, properly sealed, in its original container in a dry area at a temperature of 41°F to 95°F (5°C to 35°C) for a maximum of 24 months.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

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

When the product reacts, it generates a high amount of heat. After mixing Components A and B, apply the product as soon as possible and never leave the container unattended until it is completely empty.

PRODUCT FOR PROFESSIONAL USE.

Technical Data (typical values)

Product Information	
Color	Blue, dark blue, light gray and dark gray
Consistency	Thick liquid
Density of mix	1.32 g/cm ³
Application Data at 23°C (73°F) and 50% relative humidity	
Mixing ratio by weight	Component A : Component B = 82.1 : 17.9
Mixing ratio in volume	Component A : Component B = 3.3 : 1
Application temperature	41°F to 86°F (5°C to 30°C)
Workability	20 minutes
Tack-free	4 hours
Ready for light foot traffic	24 hours
Complete hardening time	7 days
Final Performance after 7 days	
Shore D hardness – DIN 53505	75
Taber test (1000 cycles - 1000 g) – CS17	80 mg
Compressive strength – EN 196-1	7,541 psi (52 N/mm ²)
Flexural strength – EN 196-1	4,496 psi (31 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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