

Mapedek Eposcreed Lite [NA]

Two-component, self-levelling, low-density epoxy product for levelling internal decks on ships



FOR PROFESSIONAL USE ONLY

WHERE TO USE

Mapedek Eposcreed Lite [NA] is used to level internal decks on ships before installing floor coverings.

TECHNICAL CHARACTERISTICS

Mapedek Eposcreed Lite [NA] forms a strong surface resistant to chemicals and abrasion and may be applied in layers, up to 8 mm (5/16 in.) thick.

RECOMMENDATIONS

- Do not dilute **Mapedek Eposcreed Lite** [NA] with solvent or water.
- Do not apply on dirty, dusty or weak surfaces.
- Do not expose the mixed product to sources of heat.
- Do not use the product if the specified workability time has been exceeded.
- Mixing ratios and application instructions must be followed as specified.

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 substance that could affect adhesion.

Steel surfaces must be prepared to at least a grade ST3 finish (ISO 8501-1).

Apply **Mapedek Eposcreed Lite [NA]** directly on steel surfaces as soon as they have been prepared, before they have a chance to oxidize and/or be contaminated.

For any other type of surface (e.g., stainless steel, aluminum), contact Mapei Marine Technical Services.

Mixing

Mapedek Eposcreed Lite [NA] is a two-component epoxy formula and the 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 (300-400 rpm) to prevent entraining air into the product for at least 2-3 minutes until the mix is completely blended.

Application

Apply the product, within its specified open time, using a rake and/or trowel to achieve the thickness specified to cover welding beads and any hollows or deformations in the ship deck. Maintain ambient and product temperature within +5°C to +30°C. Temperatures above or below +23°C will reduce or increase the open time of **Mapedek Eposcreed Lite [NA]**.

CLEANING

Clean tools used to prepare and apply **Mapedek Eposcreed Lite [NA]** with ethanol or thinners immediately after use. Once hardened, the product may only be removed using mechanical means.

CONSUMPTION / COVERAGE

The coverage of **Mapedek Eposcreed Lite [NA]** is 1.0 kg/m² per mm (0.325 lbs./s.f. per 1/16 in.) of thickness.

PACKAGING

20 kg (44.08 lbs.) can (component A + component B):

- component A = 16 kg (35.26 lbs.)
- component B = 4 kg (8.82 lbs.)

STORAGE

Store the product in its original packaging in a dry place at a temperature of +5°C to +35°C. (41°F to 95°F). Max. 24 months.

TECHNICAL DATA (typical values)

Product Identity	
Color:	brownish red
Consistency:	paste
Density of mix:	1.0 g/cm ³
Dry-solids content:	100%
Application Data (at +23°C - 50% R.H.)	
Mixing ratio by weight:	comp. A : comp. B = 80 : 20
Mixing ratio in volume:	comp. A : comp. B = 3.7 : 1
Workability time:	45 mins.
Temperature of application surface:	from +5°C to +30°C (41°F to 86°F)
Set-to-foot traffic:	16 hours
Complete hardening time:	7 days
Final Performance	
Shore D hardness (DIN 53505) after 7 days at +23°C, 50% R.H.:	75
Flexural strength (EN 196-1):	27 MPa (3,916.02 psi)
Compressive strength (EN 196-1):	65 MPa (9427.45 psi)
Certifications and Classification	
IMO MED:	Primary deck covering

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

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: December 15, 2025 MK 09888 (25-1683)

For the most current product data and BEST-BACKEDSM warranty information,
visit www.mapei.com.
All Rights Reserved. © 2025 MAPEI Corporation.

