

MAPEDECK FLEXISCREED

Two-component, viscoelastic polyurethane base layer for levelling off internal and external decks on ships



WHERE TO USE

Mapedek Flexiscreed is used to form a viscoelastic levelling layer before installing floor coverings on internal and external decks on ships.

TECHNICAL CHARACTERISTICS

Mapedek Flexiscreed is a two-component, polyurethane resin-based based formulate according to a formula developed in the MAPEI R&D laboratories.

Mapedek Flexiscreed may be applied in layers up to 20 mm thick and has good mechanical properties and high resistance to chemicals and abrasion.

RECOMMENDATIONS

- Do not dilute the product with solvent or water.
- Do not apply on polluted, dusty or loose surfaces.
- Do not expose the mixed product to sources of heat.

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 grade ST3 and treated with **Mapedek Primer 200** (internal areas) or **Mapecoat Guard 100** (internal and external areas). For any other type of substrate (e.g. stainless steel, aluminium) please contact the Technical Service Department of **MAPEI Marine**.

Application

Mapedek Flexiscreed is a two-component polyurethane product. The two components must be mixed together just before application. Mix component A thoroughly and add the contents of component B. Mix again with an electric mixer at low-speed (300-400 revs/min) to avoid entraining air into the mix.

Add a compatible dry filler (such as **Maperubber Black 25**) to the mix according to the specified weight ratio and mix again.

Pour the mix into a different container and mix again for 2 minutes. Keep the mixing attachment completely immersed in the product while mixing.

Apply the mix within the specified open time using a straight edge and suitably sized spacers according to the amount of bend in the steel sheets, the thickness of the weld beads and any hollows or deformations in the sheets. Keep the surrounding temperature and the temperature of the product under control; temperatures above or below +23°C will reduce or increase the open time respectively.

CLEANING

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

CONSUMPTION

Mapedek Flexiscreed (A+B): 1.15 kg/m² per mm of thickness.

PACKAGING

17 kg cans (A+B):

- component A = 15.00 kg;
- component B = 2.00 kg.

STORAGE

Store the product in its original packaging in a dry place at a temperature of +5°C to +35°C. Maximum 12 months.

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

Colour:	grey-black
Consistency:	paste
Density of mix (A+B):	1.15 g/cm ³
Dry solids content:	100 %

APPLICATION DATA (at +23°C - 50% R.H.)

Mixing ratio by weight:	comp. A : comp. B = 88.2 : 11.8
Mixing ratio in volume:	comp. A : comp. B = 7.5 : 1
Workability in a thickness of 4-5 mm:	15-40 minutes
Application temperature:	from +5°C to +30 °C
Set foot to traffic in a thickness of 4-5 mm:	3-6 hours

FINAL PERFORMANCE (after 7 days)

Tensile strength (DIN 53504):	1.5 N/mm ²
Maximum elongation (DIN 53504):	70%
Tear strength (ISO 34-1):	6 N/mm

CERTIFICATION AND CLASSIFICATION

IMO MED:	primary deck covering
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Note: Workability and set to foot traffic times do not take into account different product and substrate temperatures and may vary with application conditions (e.g. shaded or sunny areas).

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).

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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Flooring: 1-800-992-6273

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

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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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