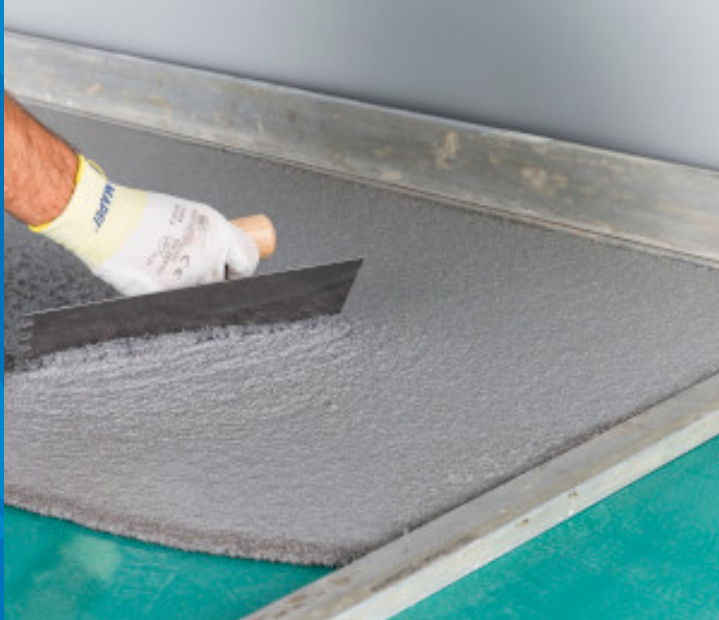


MAPEDECK LITESCREED

Two-component, self-levelling, lightweight, self-extinguishing polyurethane base layer for levelling off internal and external decks



WHERE TO USE

Mapedek Litescreed is used to level off internal and external decks on ships before installing floor coverings.

TECHNICAL CHARACTERISTICS

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

Mapedek Litescreed has high-strength and good resistance to chemicals and abrasion.

RECOMMENDATIONS

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

APPLICATION PROCEDURE

Preparation of the substrate

The surface 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 Litescreed 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 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 **Mapedeck Litescreed** with ethanol or thinners immediately after use. Once hardened, the product may only be removed using mechanical means.

CONSUMPTION

Mapedeck Litescreed (A+B) 1.1 kg/m² per mm of thickness.

The consumption rate is theoretical and is influenced by the condition of the surface to be treated, absorbency, roughness, the conditions on site, etc.

PACKAGING

20 kg cans: (comp. A + comp. B) :

component A = 16 kg;

component B = 4 kg.

STORAGE

The product must be stored in its original packaging in a dry place at a temperature of between +5°C and +35°C. Max. 12 months.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

When the product reacts, it generates considerable heat (or low amount, depending on the product). After mixing components A and B, we recommend applying 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 (Typical values)

PRODUCT IDENTITY

Colour:	grey
Consistency:	paste
Density of mix (A+B):	1.1 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 = 4.5 : 1

Workability in a thickness of 4-5 mm:

1-3 hours

Application temperature:

from +5°C to +30 °C

Set to foot traffic in a thickness of 4-5 mm:

15-18 hours

Complete hardening time:

7 days

FINAL PERFORMANCE (after 7 days)

Tensile strength (DIN 53504):

3 N/mm²

Maximum elongation (DIN 53504):

60%

Tear strength (ISO 34-1):

15 N/mm

CERTIFICATION AND CLASSIFICATION

IMO MED:

primary deck covering

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)

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com

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 or replace requirements per the TDS in force at the time of the MAPEI product installation.

The most up-to-date TDS can be downloaded from our website www.mapei.com.

ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.

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