

MAPEDECK SOFT DESIGN

Seamless “elastic” self-levelling resin coating for internal and external bridge decks on ships



WHERE TO USE

Mapedeck Soft Design is used to create coloured, seamless, “elastic”, resin finishing coats on internal and external bridge decks on ships.

TECHNICAL CHARACTERISTICS

Mapedeck Soft Design is a two-component, aliphatic, polyurethane resin-based formulate according to a formula developed in the MAPEI R&D laboratories.

THINGS TO AVOID

- Do not dilute the product with solvent or water.
- Do not apply on surfaces with oil stains.
- Do not expose the mixed product to sources of heat.

APPLICATION PROCEDURE

Preparation of the application surface

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.

When used as part of a system for external bridge decks, apply **Mapedeck Soft Design** on substrates made from a product from the **Mapedeck** line prepared according to specification.

APPLICATION

Mapedeck Soft Design is a two-component aliphatic polyurethane formulate. 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.

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 product within its open-time using a notched steel spreader. Keep the surrounding temperature and the temperature of the product under control; temperatures above or below +20°C will reduce or increase its open time, respectively.

CLEANING TOOLS

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

PACKAGING

- 19 kg can (A+B)
- component A = 15.00 kg;
- component B = 4.00 kg.

STORAGE

Store the product in its original packaging in a dry place at a temperature of +5°C to +35°C. Maximum 24 months.

CERTIFICATION

Mapedeck Soft Design is certified as a “Surface material and floor covering with low flame-spread characteristics” according to IMO Res. 61 (67) FTPC, annex 1, parts 2 and 5.

SAFETY INSTRUCTIONS FOR HANDLING MAPEDECK SOFT DESIGN

Mapedeck Soft Design component A is not considered as dangerous according to the current regulation regarding the classification of mixtures. **Mapedeck Soft Design** component B is harmful if inhaled. It may irritate the respiratory track and may cause sensitization in those subjects sensitive to isocyanates if it comes into contact with the skin.

When applying the product, we recommend the use of protective gloves and goggles and to take the usual precautions for handling chemical products. In case of contact with eyes or skin wash immediately with plenty of water and seek medical attention. We recommend to employ a suitable tool for the protection of respiratory system.

For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

PRODUCT ONLY FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)		
PRODUCT IDENTITY		
	component A	component B
Colour:	coloured	transparent
Consistency:	paste	liquid
Density (g/cm ³):	1.35	1.15
Viscosity at +23°C (mPa·s):	12,000	2,500
APPLICATION DATA (at +23°C and 50% R.H.)		
Mixing ratio in weight:	79	21
Mixing ratio in volume:	3.2	1
Consistency of mix:	paste	
Density of mix (kg/m ³):	1.32 ± 0.05	
Workability time at +20°C:	30 minutes	
Application temperature range (°C):	+10 / +30	
Hardening time at +23°C and 50% R.H.:		
– set to foot traffic:	24 hours	
– complete hardening time:	7 days	

The times above are for indication purposes only and are influenced by actual site conditions (e.g. temperature of the surroundings and substrate, relative humidity of the surrounding air, etc.).

FINAL PERFORMANCE

Tensile strength N/mm ² (DIN 53504) after 7 days:	3
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Maximum elongation after 7 days (DIN 53504):	50%
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Tear strength after 7 days (ISO 34-1) N/mm:	9
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CERTIFICATION

IMO Res. 61 (67) FTPC annex 1, parts 2 and 5:	surface materials and floor coverings with low flame-spread characteristics
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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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