

MAPEDECK TEAK DESIGN

Self-levelling resin coating to form seamless teak effect finishes on internal and external decks on ships



WHERE TO USE

Mapedeck Teak Design is used to form seamless coloured coatings on internal and external decks on ships.

TECHNICAL CHARACTERISTICS

Mapedeck Teak Design is a two-component, aliphatic polyurethane resin-based formulate according to a formula developed in the MAPEI R&D laboratories and has been specifically created to form textures and shades characteristic of teak.

RECOMMENDATIONS

- Do not dilute **Mapedeck Teak Design** with solvent or water.
- Do not apply on surfaces with liquid stains or dusty surfaces.
- Do not apply on substrates with unsuitable chemical or mechanical properties.
- Do not expose the mixed product to sources of heat.
- Do not apply if the temperature is lower than +5°C and the level of R.H. is higher than 70%.
- The temperature of the substrate must be at least 3°C above dew-point.

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 the **Mapedeck Teak Design** system on external decks it is applied on polyurethane substrates prepared according to specification.

APPLICATION

Mapedeck Teak 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. Constantly check the surrounding temperature and the temperature of the product; temperatures above or below +23°C will reduce or increase its open time, respectively.

CLEANING TOOLS

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

PACKAGING

20 kg can (A+B).

STORAGE

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

CERTIFICATION

Mapedeck Teak 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 per applications up to 5 mm thick.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Mapedeck Teak Design component A is not considered dangerous according to the current regulations regarding the classification of mixtures.

Mapedeck Teak Design component B may cause sensitization if it comes in contact with the skin of those subjects sensitive to isocyanates and it is irritant for the respiratory tract. Furthermore, it is harmful if inhaled. During use wear protective gloves and goggles and take the usual precautions for handling chemicals. In case of contact with the eyes or the skin wash immediately with plenty of water and seek medical attention. Use a suitable device for protecting the respiratory tract.

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 FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)		
PRODUCT IDENTITY		
	component A	component B
Colour:	classic, desert, honey, magnolia, smoke, velvet. NCS and RAL colours available upon request	trasparent
Consistency:	smooth paste	liquid
APPLICATION DATA (a +23°C and 50% R.H.)		
Mixing ratio by weight:	75	25
Mixing ratio by volume:	2.5	1
Density of mix (kg/m ³):	1.25	
Workability time at +23°C:	45 mins.	
Application temperature (°C):	+5 / +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 (DIN 53504) after 7 days (N/mm ²):	5
Maximum elongation after 7 days (DIN 53504) (%):	70
Tear strength after 7 days (ISO 34-1) (N/mm):	15
CERTIFICATION	
IMO Res. 61 (67) FTPC annex 1, parts 2 and 5:	surface materials and floor coverings with low flame-spread characteristics

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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