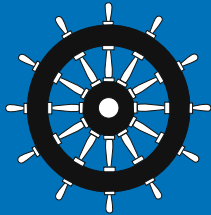




Mapedeck Design



0474

Self-levelling resin coating to form seamless floors on internal and external ship decks

WHERE TO USE

Mapedeck Design is used to form a final coloured, seamless coating on internal and external ship decks.

TECHNICAL CHARACTERISTICS

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

RECOMMENDATIONS

Do not dilute **Mapedeck Design** 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 bonding surface

The bonding surface 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 Design** system it is applied on polyurethane substrates prepared according to specification.

Application

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

PACKAGING

20 kg cans (A+B).

STORAGE

The product may be stored for up to 24 months if kept in its original packaging in a dry place at a temperature of between +5°C and +35°C.

CERTIFICATION

Mapedeck 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 Design component A is dangerous for aquatic life; do not dispose of it in the environment. **Mapedeck Design** component B is irritant for the respiratory system. It may cause sensitization if it comes in contact with the skin of those sensitive to isocyanates; furthermore, it is dangerous if inhaled.

TECHNICAL DATA (typical values)		
PRODUCT IDENTITY		
	component A	component B
Colour:	according to colour chosen	transparent
Consistency:	smooth paste	liquid
Density (g/cm³):	1.35	1.13
Viscosity at +23°C (mPa·s):	20,000	2,000
APPLICATION DATA (at +23°C and 50% R.H.)		
Mixing ratio:	75 : 25	
Consistency of mix:	smooth paste	
Density of mix (g/cm³):	1.25	
Workability time at +20°C:	45 mins.	
Application temperature:	+5°C to +30°C	
Hardening time at +23°C and 50% R.H.:		
– set to foot traffic:	16 hours	
– complete hardening time:	7 days	
<i>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.)</i>		
FINAL PERFORMANCE		
Tensile strength (DIN 53504) after 7 days (N/mm²):	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	

During use, wear protective gloves and goggles and take the usual precautions for handling chemicals. If the product comes in contact with the eyes or skin, wash immediately with plenty of clean water and seek medical attention. It is recommended to wear suitable protection for the 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.

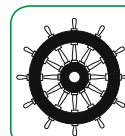
PRODUCT ONLY FOR PROFESSIONAL USE.

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



This symbol is a conformity mark which prove that the product is suitable for marine equipment in compliance with the Marine Equipment Directive (MED) 96/98/EC and subsequent amendments. For the products with this marking, MAPEI is also allowed to affix the U.S Coast Guard approval number as allowed by the "Agreement between the European Community and the United States of America on mutual recognition of certificates of conformity for marine equipment" signed February 27th, 2004.

All relevant references for the product are available upon request and from www.mapei.com



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