

MAPEDECK VISCOELASTIC 100

Two-component, self-levelling, viscoelastic polyurethane base layer for noise damping in shipbuilding



WHERE TO USE

Mapedek Viscoelastic 100 is used in the shipbuilding industry to form a viscoelastic layer in MAPEI flooring systems to dampen noise.

TECHNICAL CHARACTERISTICS

Mapedek Viscoelastic 100 is a two-component polyurethane resin-based formulate according to a formula developed in MAPEI R&D laboratories.

RECOMMENDATIONS

- Do not dilute **Mapedek Viscoelastic 100** 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

The surface must be dry and clean and have no traces of oil, grease or any other substance that could affect adhesion. Steel and aluminum substrates must be treated with **Mapecoat Guard 155** and/or **Mapecoat Shield**

155 primer. For other types of substrates, contact the MAPEI Marine line's Technical Services.

Application

Mapedek Viscoelastic 100 is a two-component 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 with a notched steel trowel within the specified workability. Keep the surrounding temperature and the temperature of the product under control; temperatures above or below +23°C will reduce or increase its workability, respectively.

CLEANING

Clean tools used to prepare and apply **Mapedek Viscoelastic 100** with thinners immediately after use. Once hardened, the product may only be removed using mechanical means.

CONSUMPTION

1.3 kg/m² per mm of thickness.

PACKAGING

Canister:

- component A: 16.0 kg;
- component B: 2.4 kg.

STORAGE

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

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

When the product reacts, it generates considerable heat. 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:	red
Consistency:	paste
Density of mix (A+B):	1.3 g/cm ³
Dry solids content:	100%

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

Mixing ratio by weight (A : B):	87 : 13
Mixing ratio in volume (A : B):	6 : 1
Workability:	30 minutes
Application temperature:	from +5°C to +30°C
Set to foot traffic:	24 hours
Complete hardening time:	7 days

FINAL PERFORMANCE (after 7 days)

Tensile strength (DIN 53504):	1.7 N/mm ²
Maximum elongation (DIN 53504):	70%
Tear strength (ISO 34-1):	6 N/mm

CERTIFICATION AND CLASSIFICATION

IMO MED:	-primary deck covering -surface materials and floor coverings with low flamespread characteristics
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ADDITIONAL INFORMATION

Refer to the Safety Data Sheet (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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Customer Service

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For the most current product data and BEST-BACKEDSM warranty information,
visit www.mapei.com.
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