

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 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 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

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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