

Mapedek XScreed

Two-Component, Self-Leveling, Low-Specific-Weight Polyurethane Base Layer



WHERE TO USE

Mapedek XScreed is used to level exterior and interior decks in marine applications prior to the installation of resin topcoats or floor coverings.

TECHNICAL CHARACTERISTICS

Mapedek XScreed is a two-component, low-specific-weight formula developed by MAPEI to have excellent chemical and mechanical resistance.

RECOMMENDATIONS

- Do not dilute with solvent or water.
- Do not apply on dirty, dusty or loosely bonded surfaces.
- Do not expose the mixed product to sources of heat.
- Do not apply if the temperature of the substrate is not at least 5.4°F (3°C) higher than the dew point temperature.
- Do not apply when relative humidity (RH) is above 70%.
- The best application and working properties for **Mapedek XScreed** can be achieved when the product, substrate and ambient temperatures are between 50°F and 86°F (10°C and 30°C).
- Do not apply if the substrate or ambient temperature is below 41°F (5°C) or higher than 95°F (35°C).

APPLICATION PROCEDURE

Preparation of the substrate

Steel and aluminum substrates must be well supported, dry, properly prepared, and free of dirt, grease, oil and any other substance that would reduce or inhibit adhesion.

Steel and aluminum substrates must be primed with a coating of **Mapecoat™ Guard 155** and/or **Mapecoat Shield 155** before applying **Mapedek XScreed**.

For other types of substrates, contact MAPEI's Marine Line Technical Services.

Mixing

Mapedek XScreed is a two-component formulation. Begin by pre-mixing Component A with a low-speed mixer (at 300 to 450 rpm) and an appropriate mixing paddle to a lump-free and homogeneous consistency. During this process, be careful to keep the mixing paddle completely immersed to prevent air entrainment.

Next, add Component B to Component A. Mix for about 2 to 3 minutes with a low-speed mixer (at 300 to 450 rpm) and an appropriate mixing paddle until the contents are completely blended to a homogenous, smooth, lump-free consistency. During mixing, pay close attention to the sides and bottom of the mixing container, ensuring that all the components are completely combined in the mix. Keep the mixer head immersed in the product to prevent air entrainment of the mix.

Note: If mixing partial units, ensure that the mixing ratio of Component A to Component B is strictly followed, whether proportioned by weight or by volume.

Application

Apply the mix within the specified open time using a suitable straight edge or trowel to the desired thickness.

Apply the product immediately after the mixing process. Leaving the mixed product in the container accelerates curing and may negatively affect the technical and aesthetic characteristics of the cured product's application.

When the product, substrate and ambient temperatures are above 73°F (23°C), the working time will be shorter... and when below 73°F (23°C), the working time will be longer.

CLEANING

Immediately after application of **Mapedek XScreed**, clean the tools used to prepare and apply it with solvent or thinner for polyurethane resin. Once hardened, the product can only be removed mechanically.

COVERAGE/CONSUMPTION*

0.243 lb./sq. ft. per 1/16" (0.75 kg/m² per mm) of thickness

** Coverage shown is for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions and installation practices.*

PACKAGING

33.06 lb. (15 kg) unit (Components A + B):

- Component A = 26.45 lbs. (12 kg)
- Component B = 6.61 lbs. (3 kg)

STORAGE

Store **Mapedek XScreeed** in a cool, dry location protected from external weather conditions at a temperature of 41°F to 95°F (5°C to 35°C). Shelf life is 12 months in the original, sealed unopened packaging.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

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

Product Information	
Color	Dark gray
Consistency	Creamy paste
Density of mix	0.75 g/cm ³ +/- 0.05
Application Data at 73°F (23°C) and 50% RH	
Mixing ratio by weight	Comp. A : Comp. B = 80 : 20
Mixing ratio by volume	Comp. A : Comp. B = 6 : 1
Application temperature range	41°F to 95°F (5°C to 35°C)
Workability	90 to 120 minutes
Ready for light foot traffic	15 to 18 hours
Complete hardening	7 days
Certifications and Classifications	
IMO MED	Primary deck covering

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

MAPEI Headquarters of North America

1144 East Newport Center Drive
Deerfield Beach, Florida 33442
1-888-US-MAPEI (1-888-876-2734) / (954) 246-8888

Technical Services

U.S. and Puerto Rico:
Flooring: 1-800-992-6273
Concrete and heavy construction: 1-888-365-0614
Canada:
1-800-361-9309

Customer Service

1-800-42-MAPEI (1-800-426-2734)

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