

MAPEDECK MONODESIGN

Fine-textured, trowellable, polymer smoothing and levelling compound for decorative coatings on floors and walls



WHERE TO USE

Mapedeck Monodesign is ideal for the creation of decorative coatings with a materic effect finish on internal floors and walls.

It is extremely versatile, very easy to apply, does not yellow and has excellent resistance to abrasion which makes it suitable for use on floors subjected to intense foot traffic.

It is available in a wide range of colours which may be further enhanced by being coated with **Mapedeck Finish HDT**, the ideal product to create a high quality, decorative finish.

TECHNICAL CHARACTERISTICS

Mapedeck Monodesign is an aliphatic polymer formulate available in both one-component and two-component versions, created according to a formula developed in the MAPEI R&D laboratories.

RECOMMENDATIONS

- Do not dilute **Mapedeck Monodesign** with solvent or water.
- Do not apply on substrates with oil or grease stains or with stains in general.
- Do not expose the mixed product to sources of heat.
- If only partial quantities of the components are used, make sure the inside of the container is thoroughly cleaned after use and cover the surface of the remaining product with clean plastic to prevent lumps forming, otherwise defects may appear during application.

APPLICATION PROCEDURE

Preparation of the application surface

The areas 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.

It is very important that the application surface is flat and has no defects, such as holes or cracks. If there are holes or cracks they must be repaired with **Mapedeck Epofloor**, **Mapedeck Litescreed** or **Adesilex PGI**, depending on the size and depth of the defects.

Priming the substrate

Horizontal surfaces

After preparing the surfaces as specified with power tools, removing all traces of dust and applying primer where required, prepare the surfaces by smoothing and levelling them off with **Mapedeck Epofloor** or **Mapedeck Litescreed** fillerized and broadcast to saturation point with quartz sand while still wet.

When the primer has hardened, remove all excess sand, lightly sand the surface, remove all traces of dust and proceed with application of **Mapedeck Monodesign**.

Vertical surfaces

Suitable surfaces prepared as specified may be primed with **Primer G** fillerized with quartz sand (maximum recommended particle size: 0.5 mm).

Apply the product with a roller or brush, making sure there are no lumps and that the filler is evenly distributed.

Mapedeck Monodesign is an extremely versatile product. It may be applied as either a one-component or two-component version or mixed with **Mapedeck Monodesign Plus** to increase its strength and resistance to chemicals, such as when applied in damp environments.

Mapedeck Monodesign is available in 12 different colours.

Preparation of the product

Mapedeck Monodesign is supplied ready to use.

It is recommended, however, to mix the product prior to application to make sure it is perfectly even.

Use an electric mixer at low-speed (300-400 revs/min.) and keep the mixer head immersed in the product to prevent entraining air into the mix.

Application of the product

Apply **Mapedeck Monodesign** with a smooth, flat stainless steel or plastic spreader, making sure there are no areas with a build-up of product that could ruin the finish.

Spread the product carefully with the spreader so that it follows the shape of the areas to be coated.

A single coat of product is usually sufficient, but if necessary a second coat may be applied.

In such cases, wait until the first layer has hardened, lightly sand the surface and remove all dust.

When coating large surface areas, it is recommended to prime the surface with **Primer G** diluted 1:1 with water and to apply **Mapedeck Monodesign** when the primer is dry.

It is recommended to sand the surface with 120 to 200 grit sandpaper, depending on the effect required.

Finish

When the decorative layer of **Mapedeck Monodesign** has completely hardened, it may be lightly sanded, dusted down and then finished off with **Mapedeck Finish HDT**.

Application temperature range

We advise against applying the product if the temperature is lower than +10°C or higher than +30°C. The temperature of the substrate must be at least +3°C above dew-point.

CONSUMPTION

0.6-0.8 kg/m² per coat.

CLEANING TOOLS

Clean tools used to prepare and apply **Mapedeck Monodesign** with water immediately after use. Once hardened, the product may only be removed using mechanical means.

PACKAGING

8 kg can.

STORAGE

Store the product in its original packaging in a dry place at a temperature of +5°C to +30°C. Maximum 12 months in its original, sealed packaging.

SAFETY INSTRUCTIONS FOR HANDLING MAPEDECK MONODESIGN

Mapedeck Monodesign is not considered as dangerous according to the current regulation regarding the classification of mixtures. When applying the product, we recommend the use of protective gloves and goggles and to take the usual precautions for handling chemical products.

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	
Colour:	12 different colours available

Consistency:	creamy paste
Density (g/cm ³):	1.60
Dry solids content (%):	80
APPLICATION DATA (at +23°C and 50% R.H.)	
Consistency of product:	creamy paste
Workability time at +23°C:	30 mins.
Dust dry at +23°C and 50% R.H.:	150 mins.
Set to foot traffic at +23°C and 50% R.H.:	10 hours
Complete hardening time at +23°C and 50% R.H.:	7 days
Application temperature:	+15°C to +30°C
Re-coat time:	minimum 12 hours
FINAL PERFORMANCE	
Taber abrasion resistance expressed as loss in weight in grams (H22 disk - 500 g - 200 revs) according to ASTM D4060:	Mapedeck Monodesign after 7 days 0.53 g after 28 days 0.17 g Mixed with Mapedeck Monodesign Plus after 7 days 0.52 g after 28 days 0.12 g
IMO certification:	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.

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