

MAPECOAT FINISH HP

Two-component, coloured, elastic, aliphatic polyurethane finish with high resistance to chemicals



WHERE TO USE

Mapecoat Finish HP is a formulate used to form a protective film on surfaces requiring high resistance to chemicals, an attractive finish and a long-lasting shine. The product is applied on compatible substrates which must be prepared as specified with power tools if the maximum re-coat time has been exceeded.

TECHNICAL CHARACTERISTICS

Mapecoat Finish HP is a two-component, aliphatic, polyurethane coating product according to a formula developed in the MAPEI R&D laboratories.

RECOMMENDATIONS:

- Do not dilute **Mapecoat Finish HP** with solvent or water.
- Do not apply on substrates with oil or grease stains or with dirt in general.
- Do not expose the mixed product to sources of heat.

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.

Resin surfaces must be clean and dry and sanded down if required (if the re-coat time is exceeded) and all traces of dust must be removed.

Apply the product evenly with a brush or roller to prevent it forming thick areas that could ruin the final finish.

Apply the product in criss-cross strokes. Take extra care when starting with a freshly charged roller and discharge the roller regularly beyond the area where it has just been applied so that it forms a more uniform finish and prevents areas with excess product forming.

Mapecoat Finish HP is a two-component formulate.

Mix each component separately so they are well blended and then pour the contents of component B into component A. If only partial quantities of each component are used, pay the upmost attention to the mixing ratio (available by weight and by volume).

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.

Mix for at least 2-3 minutes until they are completely blended. Pay special attention to the sides and bottom of the container to make sure all traces of the components are mixed in correctly.

Apply the mix within the specified open time and keep the surrounding temperature and the temperature of the product under control; temperatures above or below +20°C will reduce or increase the open time indicated in the "APPLICATION DATA" table respectively.

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

0.050-0.150 kg/m², depending on the type of substrate to be coated.

CLEANING TOOLS

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

PACKAGING

5.3 kg cans (A+B):

- component A = 3.900 kg;
- component B = 1.400 kg.

STORAGE

The product must be stored in its original packaging in a dry place at a temperature from +5°C to +30°C. Maximum 12 months in its original, sealed packaging.

SAFETY INSTRUCTIONS FOR HANDLING MAPECOAT FINISH HP

Mapecoat Finish HP components A and B contain flammable solvents. We recommend storing it away from naked flames and sparks, to avoid smoking, to prevent the buildup of electrostatic energy and to work in well ventilated areas. Components A and B may cause sensitisation if they come into contact with the skin of predisposed subjects.

Mapecoat Finish HP component B may irritate the respiratory track, the skin, the eyes and is harmful if inhaled.

When applying the product, we recommend the use of protective gloves and goggles and to take the usual precautions for handling chemical products. In case of contact with eyes or skin wash immediately with plenty of water and seek medical attention. We recommend to employ a suitable tool for the protection of respiratory system.

Mapecoat Finish HP component A is also hazardous for aquatic life. Do not dispose of this product in the environment. 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		
	component A	component B
Colour:	RAL colours	transparent
Consistency:	liquid	liquid
Flash point:	+18°C	+56°C
APPLICATION DATA (at +23°C and 50% R.H.)		
Mixing ratio in weight:	component A : component B = 100 : 36	
Mixing ratio in volume:	component A : component B = 7 : 2	
Consistency of mix:	liquid	
Density of mix (kg/m ³):	1,300	
Workability time at +20°C:	35 mins.	

Dust dry at +23°C and 50% R.H.:	60 mins.
Set to foot at +23°C and 50% R.H.:	12 hours (minimum)
Complete hardening time at +23°C and 50% R.H.:	7 days
Application temperature:	+10°C to +30°C
Maximum re-coat time at +23°C and 50% R.H.:	24 hours
FINAL PERFORMANCE	
Adhesion (EN ISO 2409):	class 0
QUV test (ASTM G 154):	> 2000 hours
Cold check test:	> 20 cycles
Taber Test after 7 days (EN ISO 5470-1) at +23°C, 50% R.H, 1,000 cycles/1,000 g, CS10 disk (mg):	70 (with Mapecoat Finish TS)
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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