

MAPECOAT FINISH TS

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



WHERE TO USE

Mapecoat Finish TS is a formulate used to form a protective transparent film on surfaces that require high resistance to chemicals, an attractive finish and a long-lasting shine

TECHNICAL CHARACTERISTICS

Mapecoat Finish TS 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 TS** with solvent or water.
- Do not apply **Mapecoat Finish TS** 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 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. Surfaces must be clean, dry and sanded (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. Spread the product carefully using criss-cross strokes and pay particular attention at the start of each stroke so that the film is as even as possible. Consult our Technical Services Department (Italy) for specific instructions.

Mapecoat Finish TS 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 mixing tool immersed in the product to prevent entraining air into the mix. Mix for at least 2÷3 minutes until completely blended. Pay special attention to traces of the components on the sides and bottom of the container to make sure they are mixed 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.

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 TS** with thinners immediately after use. Once hardened, the product may only be removed using mechanical means.

PACKAGING

7.23 kg can (A+B):
– component A = 5.00 kg;
– component B = 2.23 kg

STORAGE

The product must be stored 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 PREPARATION AND APPLICATION

Mapecoat Finish TS component A and component B are inflammable. We recommend storing it away from naked flames and sparks, to avoid smoking, to prevent the build-up of electrostatic energy and to work in well-ventilated areas. It may cause drowsiness and dizziness.

Mapecoat Finish TS component B may cause sensitisation if it comes in contact with the skin of subjects sensitive to isocyanates. Furthermore, it is irritant for the respiratory tract and hazardous if inhaled.

During use wear protective gloves and goggles and take the usual precautions for handling of chemicals. If the product comes in contact with the eyes or skin, wash immediately with plenty of clean water and seek medical attention. Wear a suitable device to protect the respiratory system.

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:	transparent	transparent
Consistency:	liquid	liquid
Density (g/cm ³):	1.005	1.11
Viscosity at +23°C - No. 4 Ford cup 4 (sec.):	19	44
Flash point:	+18°C	+56°C
APPLICATION DATA (at +23°C and 50% R.H.)		
Mixing ratio in weight:	component A : component B = 69 : 31	
Mixing ratio in volume:	component A : component B = 5 : 2	
Consistency of mix:	liquid	
Density of mix (kg/m ³):	1.050	
Viscosity of mix at +23°C - No. 4 Ford cup (sec.):	23	

Workability time at +20°C:	70 mins.
Dust dry at +23°C and 50% R.H.:	7 days
Set to foot traffic at +23°C and 50% R.H.:	minimum 12 hours
Complete hardening time at +23°C and 50% R.H.:	7 days
Application temperature:	from +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):	20
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.

ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.

9866-11-2021 en (IT)

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