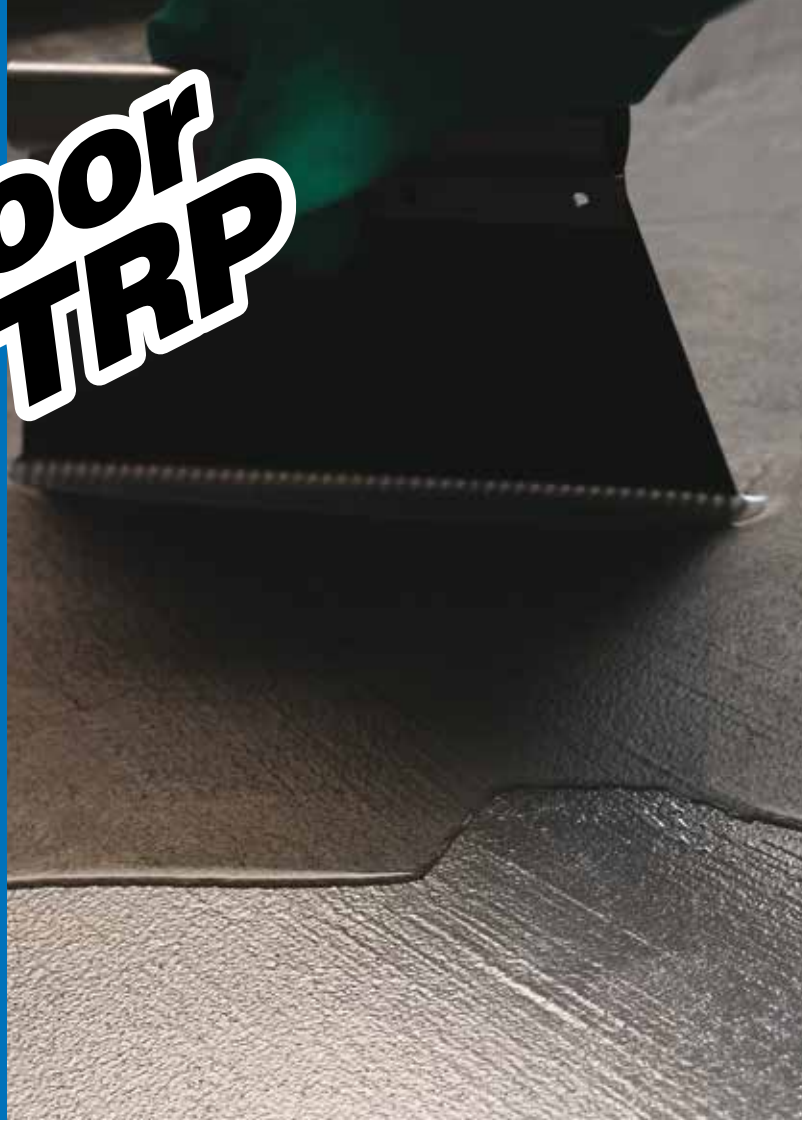




Mapefloor I 300 SL TRP

Two-component transparent low-yellowing epoxy coating product to form 1 mm thick finishing coats on epoxy resin systems



WHERE TO USE

Mapefloor I 300 SL TRP is used to finish off decorative floors in civil environments subjected to pedestrian traffic such as shops and hotel lobbies. Thanks to its impermeability to liquids and resistance to chemical products and abrasion, **Mapefloor I 300 SL TRP** may also be used to finish off decorative floors in restaurants, bars, show-rooms, etc.

Some application examples

- Self-levelling transparent finish for decorative floors in shopping centres.
- Making decorative floors in boutiques, show-rooms, restaurants and beauty parlours.
- Making decorative floors in hotel lobbies.

TECHNICAL CHARACTERISTICS

Mapefloor I 300 SL TRP is a two-component, transparent, low-yellowing epoxy formulate with 100% solids content according to a formulation developed in the MAPEI Research & Development laboratories.

Mapefloor I 300 SL TRP is suitable for making highly attractive, decorative floors and for treating the surface of finishes and, apart from making floors more resistant, it also creates a "lens effect" on the surface.

Once **Mapefloor I 300 SL TRP** has hardened, surfaces have good resistance to chemical products and abrasion, are resistant to alcohol and diluted alkalis and are also easy to clean.

RECOMMENDATIONS

- Do not apply **Mapefloor I 300 SL TRP** if the temperature is lower than +10°C or higher than +30°C.
- Do not go over the surface of **Mapefloor I 300 SL TRP** with a bubble-breaker.
- Do not apply **Mapefloor I 300 SL TRP** on damp substrates or on substrates with capillary rising damp (please contact our Technical Services Department).
- Do not dilute **Mapefloor I 300 SL TRP** with solvent or water.
- Do not apply **Mapefloor I 300 SL TRP** on dusty or crumbling substrates.
- Do not apply **Mapefloor I 300 SL TRP** on substrates with oil or grease stains or stains in general.
- Do not mix partial quantities of the components to avoid mixing errors; the product may not harden correctly.
- Do not expose the mixed product to sources of heat.
- If rooms where the product is being used need to be warmed up do not use heaters that burn hydrocarbons, otherwise the carbon dioxide and water vapour given off into the air will affect the shine on the finish and ruin its appearance. Use electric heaters only.
- Remove aggressive chemicals as soon as possible after they come into contact with **Mapefloor I 300 SL TRP**.

TECHNICAL DATA (typical values)		
PRODUCT IDENTITY		
	component A	component B
Colour:	transparent/opalescent	transparent
Consistency:	fluid	fluid
Dry solids content (%):	100	100
Density (g/cm ³):	1.12	1.0
Viscosity at +23°C (mPa·s):	800	270
APPLICATION DATA (at +23°C - 50% R.H.)		
Mixing ratio:	component A : component B = 100 : 50	
Colour of mix:	transparent	
Density of mix (kg/m ³):	1,080	
Viscosity of mix (mPa·s):	800-1,000	
Workability time at +20°C:	approx. 30 mins.	
Application temperature:	from +5°C to +35°C	
Hardening time at +23°C and 50% R.H.:		
– dust dry:	approx. 6 hours	
– set to foot traffic:	approx. 24 hours	
– full hardening time:	approx. 7 days	
Times above are for indication purposes only, and are influenced by actual site conditions (eg. temperature of the surroundings and substrate, relative humidity of the surrounding air, etc.)		
FINAL PERFORMANCE		
Compressive strength (ASTM D 695) (N/mm ²):	55	
Flexural strength (ISO 178) (N/mm ²):	25	
Tensile strength (ASTM D 638) (N/mm ²):	30	
Adhesion to concrete (N/mm ²):	> 1.5 (failure of substrate)	
Shore D hardness:	80	
Abrasion resistance (Taber abrasimeter) (1,000 cycles/1,000 g, CS 17 disk) (DIN 52108) (mg):	80	

- Use suitable specific cleaning equipment and detergent to clean the product, depending on the type of dirt or stain to be removed.
- Protect the product from water for at least 24 hours after application.
- The temperature of the substrate must be at least 3°C higher than the dew-point temperature.

APPLICATION TECHNIQUE

Substrate preparation

The surface to be treated must be sound and free from dust, dirt, wax, oil and any other material which could affect the finish of the product.

Before applying the product, remove all dust from the surface using an industrial vacuum cleaner.

Preparation and application of the product

Pour component B (hardener) into component A (resin) and mix for around 3 minutes with a drill at low speed with a mixing attachment (300-400 revs/min) to form an even paste.

Pour the mix into a clean container and briefly mix again.

Do not mix the product for too long to prevent entraining too much air into the mix. Then apply **Mapefloor I 300 SL TRP** with a No. 7 notched trowel to form a coat around 1 mm thick.

Do not apply more than the recommended thickness of product. Thicker coats reduce the three-dimensional effect of the transparent finishing coat on the floor and alter its final effect, giving it a matt finish. Apply the mix within the pot life indicated in the table (refers to a temperature of +20°C). Higher surrounding temperatures will reduce the pot life of the mix, while lower temperatures will increase its pot life.

CONSUMPTION

Mapefloor I 300 SL TRP: approx. 1.1 kg/m² to form a 1 mm thick coat.

Cleaning tools

Clean tools used to prepare and apply **Mapefloor I 300 SL TRP** with methylated spirits immediately after use. Once hardened, the product may only be removed using mechanical means.

PACKAGING

18 kg kits: component A = 12 kg; component B = 6 kg.

STORAGE

Mapefloor I 300 SL TRP may be stored for 12 months in its original packaging in a dry

place at a temperature of between +5°C and +35°C. The ideal temperature is from +15°C to +20°C.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Mapefloor I 300 SL TRP component A may irritate the eyes and skin. Components A and B may cause sensitisation in those subjects sensitive to such substances.

Mapefloor I 300 SL TRP component B is corrosive and it may cause serious burns. The product contains low molecular weight epoxy resins that may cause sensitisation if cross-contamination occurs with other epoxy compounds.

When applying the product, we recommend the use of protective gloves and goggles and to take the usual precautions for handling chemical products. If the product comes into contact with the eyes or skin, wash immediately with plenty of clean water and seek medical attention.

When the material reacts it generates a high amount of heat. We recommend applying the product as soon as possible after mixing components A and B and to never leave the container unattended until it is completely empty.

Furthermore, **Mapefloor I 300 SL TRP** components A and B are also hazardous for aquatic life. Do not dispose of these products 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.

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

All relevant references for the product are available upon request and from www.mapei.com



**Mapefloor
I 300 SL TRP**



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