



Mapecfloor I 300 SL TRP

Two-component, transparent epoxy finishing product with a low tendency to turn yellow, applied at a thickness of 1 mm as a finishing coat on epoxy resin systems



WHERE TO USE

Mapecfloor I 300 SL TRP is used as a finishing coat on internal decorative floors in civil environments subject to light pedestrian traffic, such as shops and hotel reception areas. **Mapecfloor I 300 SL TRP** is impermeable and resistant to chemicals and abrasion, which makes it also suitable as a finishing coat on decorative floors in restaurants, bars, showrooms, etc.

Some application examples

- Self-levelling, transparent finish on decorative floors in shopping centres subject to light pedestrian traffic.
- For decorative floors in boutiques, showrooms, bars, restaurants and beauty salons.
- For decorative floors in hotel reception areas.

TECHNICAL CHARACTERISTICS

Mapecfloor I 300 SL TRP is a two-component, solvent-free, transparent, epoxy resin-based formula with low yellowing properties, made according to a special formula developed in MAPEI's own research laboratories.

Mapecfloor I 300 SL TRP is suitable for producing decorative floors with a high aesthetic value and as a surface finish treatment which, apart from improving the resistance of the floor, gives it a high gloss surface finish.

Once **Mapecfloor I 300 SL TRP** has hardened, the

surface has good resistance to chemicals, abrasion, alcohol and diluted alkalis, and is also easy to clean.

RECOMMENDATIONS

- Do not apply **Mapecfloor I 300 SL TRP** if the temperature is lower than 10°C or higher than +30°C.
- Do not use spiked rollers on **Mapecfloor I 300 SL TRP**.

APPLICATION PROCEDURE

Preparation of the substrate

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

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

Preparation and application of **Mapecfloor I 300 SL TRP**

The two components which make up **Mapecfloor I 300 SL TRP** must be mixed together. Pour component B (catalyst) into component A (resin), and mix for approximately 3 minutes with a low-speed drill with a mixing attachment until a homogenous mix is obtained.

Apply a layer approximately 1 mm thick (maximum 1.5 mm) of **Mapecfloor I 300 SL TRP** using a No. 7 notched trowel. We recommend that no more than the maximum thickness is applied, the three-dimensional effect of the transparent finish on the floor would be limited, and the final finish would be matt.

TECHNICAL DATA (typical values)		
PRODUCT IDENTITY		
	component A	component B
Colour:	transparent/opalescent	transparent
Appearance:	fluid	fluid
Solids content (%):	100	100
Density (g/cm³):	112	1
Viscosity at 23°C (mPa·s):	800	270
Storage:	12 months in its original, unopened packaging	
Hazard classification according to EC 1999/45:	irritant, hazardous for the environment. Before using refer to the “Safety instructions for preparation and application” paragraph and the information on the packaging and Safety Data Sheet	corrosive
Customs class:	3208 90 91	
APPLICATION DATA (at +23°C - 50% R.H.)		
Mixing ratio:	component A : component B: = 100 : 50	
Colour of mix:	transparent	
Consistency of the mix:	fluid	
Density of mix (kg/m³):	1.080	
Viscosity of the mix (mPa·s):	800-1.000	
Pot life of mix:	approx. 30 minutes	
Application temperature range:	from +5°C to +35°C	
Final hardening time:	7 days	
FINAL PERFORMANCE		
Compressive strength (N/mm²) (ASTM D 695):	55	
Flexural strength (N/mm²) (ISO 178):	25	
Tensile strength (N/mm²) (ASTM D 638):	30	
Bonding to concrete (N/mm²):	> 1.5 (failure of substrate)	
Touch dry at +23°C and 50% R.H.:	6 hours	
Set to light foot traffic at +23°C and 50% R.H.:	24 hours	
Shore D surface hardness:	80	
Abrasion resistance (Taber abrasion-meter) (disk - weight - 1000 revs) expressed as loss in weight (DIN 52108) (mg):	80	

CONSUMPTION

Mapefloor I 300 SL TRP: from 1 to 1.5 kg/m².

Cleaning

Tools used to prepare and apply **Mapefloor I 300 SL TRP** must be cleaned with alcohol immediately after use. After hardening, 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 between +5°C and +35°C. The most suitable storage temperature is between +15°C and +20°C.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Mapefloor I 300 SL TRP component A is an irritant for the eyes and skin. Component B is corrosive and may cause severe burns. It is also harmful if it comes into contact with the skin or if swallowed. Both component A and component B may provoke rashes in those subjects who are allergic to such substances. Always use protective gloves and goggles when handling and using the products.

If they come into contact with the eyes, wash thoroughly with plenty of clean water and seek medical attention.

Mapefloor I 300 SL TRP (components A and B) is hazardous for aquatic life. Do not dispose of the product in the environment.

PRODUCT FOR PROFESSIONAL USE.

WARNING

While the indications and guidelines contained in this data sheet correspond to the company's knowledge and wide experience, they must be considered, under all circumstances, merely as an indication and subject to confirmation only after long-term, practical applications. Therefore, anybody who undertakes to use this product, must ensure beforehand that it is suitable for the intended application and, in all cases, the user is to be held responsible for any consequences deriving from its use.

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

**Mapefloor
I 300 SL TRP**

