



Mapefloor I 900

**Two-component,
epoxy binder**



WHERE TO USE

Mapefloor I 900 is specially formulated to obtain a better hold in epoxy and polyurethane resin systems, and as a binder when mixing mortar with a consistency similar to a mortar screed.

Some application examples

- Binder for epoxy mortar.
- To promote bonding of epoxy and polyurethane dressing materials in general.
- To promote bonding of self-levelling and/or multi-layer dressing materials.
- To promote bonding of flooring in synthetic mortar.
- Smoothing product on a deteriorated surface.

TECHNICAL CHARACTERISTICS

Mapefloor I 900 is a two-component, epoxy resin-based binder, made according to a formula developed in MAPEI's research laboratories, and is used to obtain mortars with a consistency similar to a mortar screed for renovating old floors.

Thanks to its special composition, **Mapefloor I 900** may also be used on lightly humid substrates.

RECOMMENDATIONS

Do not apply **Mapefloor I 900**:

- on dusty, crumbly or irregular surfaces.

APPLICATION PROCEDURE

Preparation of the substrate

Concrete substrates must be clean and free of oil, grease, any other loose material and detached parts.

Preparation of the product

Mapefloor I 900 is made up of two pre-dosed components. We recommend preparing the product as follows: pour the contents of component B into the container with component A and mix using a low-speed mixer with a helicoidal attachment, until a smooth, homogenous paste is obtained. Add selected spheroid quartz, such as **Quartz 1.9**, to the mix at a ratio of 1: 8 up to a maximum of 1:13, to obtain a mix with a consistency similar to a mortar screed. Spread the mix on a suitable bonding promoter while still fresh, according to the type of substrate on which it is applied. To smooth out the product in an even layer, we recommend using templates (according to the thickness to be applied), which may be used as guides when dragging the mix using an aluminium straight-edge. While the mix is still fresh, it must be compacted and smoothed off using a vibro-compacting machine, or manually using a smooth trowel.

Surfaces obtained using the above technique will be porous.



TECHNICAL DATA (typical values)		
PRODUCT IDENTITY		
	component A	component B
Colour:	neutral	straw-coloured
Appearance:	liquid	liquid
Density (g/cm³):	1.20	0.99
Viscosity at +23°C (mPa·s):	1,500	200
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
Storage:	12 months in its original, unopened packaging	
Customs class:	3907 30 00	
APPLICATION DATA (at +23°C and 50% R.H.)		
Mixing ratio:	component A : component B = 100 : 50	
Colour of mix:	transparent, amber	
Consistency of the mix:	thick fluid	
Dry solids content (%):	100	
Density of the mix (kg/m³):	1,100	
Viscosity of the mix (mPa·s):	1,000	
Pot life:	30 min.	
Surface temperature:	from +8°C to +35°C	
FINAL PERFORMANCES		
Dust dry at +23°C and 50% R.H.:	2-4 hours	
Set to light foot traffic at +23°C and 50% R.H.:	12 hours	
Final hardening time:	7 days	

Cleaning

Tools used to prepare and apply **Mapecfloor I 900** must be cleaned with alcohol immediately after use. After hardening, the product may only be removed using mechanical means.

CONSUMPTION

The consumption depends on the thickness applied.

PACKAGING

15 kg units:
component A = 10 kg in metal drums;
component B = 5 kg in metal drums.

STORAGE

Mapecfloor I 900 may be stored for 12 months in its original packaging in a dry place, and at a temperature of at least +5°C.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Mapecfloor I 900 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. If they come into contact with the eyes, wash well with plenty of clean water and seek medical attention.

Mapecfloor I 900 (components A and B) is hazardous for aquatic life. Do not dispose of the product in the environment. For further and complete information about a safety use of our product please refer to our latest version of the Material Safety Data Sheet.

FOR PROFESSIONAL USERS.

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 web site www.mapei.com

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

**Mapefloor
I 900**

