



# Mapefloor Decor 700

**Two-component,  
solvent-free epoxy paste  
in water dispersion  
to create floors with  
a trowel-effect  
or mottled finish**



## WHERE TO USE

**Mapefloor Decor 700** has been specially formulated to create a protective, decorative flooring with a trowel-effect or mottled finish.

**Mapefloor Decor 700** is used for decorative floors subject to medium traffic loads in environments requiring a personalised finish in a very short space of time, such as shops, showrooms, apartments, shopping centres and offices.

This product is both versatile and easy to apply allowing floors with a highly attractive and irregular surface finish to be created quickly and simply.

## Application examples

- Decorative floors in showrooms, shops and offices.
- Decorative floors subject to medium traffic loads, such as in warehouses, commercial outlets, exhibition areas and shopping centres.

## TECHNICAL CHARACTERISTICS

**Mapefloor Decor 700** is a solvent-free, two-component epoxy paste in water dispersion produced according to a formula developed in the MAPEI R&D laboratories.

**Mapefloor Decor 700** is applied using a trowel in layers from 1.5 to 3 mm thick. Once hardened, surfaces treated with this product have excellent resistance to abrasion and high resistance to chemicals.

Thanks to the creamy consistency of the product, highly decorative surfaces may be created such as a trowel-effect or mottled finish. A multitude of different tones may also be obtained by adding **Mapecolor Paste** colorant for **Mapefloor** systems to the product while preparing the mix.

Floors made using **Mapefloor Decor 700** must always be protected with a polyurethane finishing coat from the **Mapefloor Finish** range. Choose the most suitable finishing system according to the aesthetic effect or the wear-resistance required. Please refer to MAPEI Technical Services Department for information.

## RECOMMENDATIONS

Do not apply **Mapefloor Decor 700**:

- on dusty, crumbly or loose surfaces;
- on surfaces impregnated with oil or grease.

## APPLICATION PROCEDURE

### Preparation of the substrate

It is very important that the surface is prepared correctly to guarantee correct installation and the best performance of **Mapefloor Decor 700**.

The most suitable method to prepare the surface is by shot-blasting or grinding with diamond disks.

All dust must then be removed with a vacuum cleaner. Do not use chemical preparation methods, such as acid rinsing, or aggressive percussion tools, otherwise the substrate may be damaged.

Any defects present, such as holes, pitting, cracking, etc. must be repaired beforehand using either **Eporip**, **Primer SN** or **Mapefloor I 300 SL**, according to the width and depth of the defects and cracks.

If the substrate needs to be consolidated, use **Primer MF** or **Primer EP** (choose the most suitable product according to the porosity, which will also have an effect on the consumption rate).

If deep hollows or highly deteriorated areas are present on the substrate, repair these areas beforehand using **Mapefloor EP19** three-component epoxy mortar or with products from the **Mapecrout** range.

# Mapefloor Decor 700



Mapefloor Decor 700 poured on the substrate immediately after mixing



Application of Mapefloor Decor 700 using a smooth trowel



The fresh surface of Mapefloor Decor 700 after application with a trowel

Highly deteriorated joints must be repaired using the same products.  
If any of the above guidelines are not strictly adhered to, the quality of the final surface may be poor.

### Priming the substrate (Primer SN)

Pour component B (4 kg) into component A (16 kg), add the **Mapecolor Paste** and mix with a low-speed drill with a spiral mixing attachment to form a smooth, homogenous paste. While mixing, add 4 kg of **Quartz 0.5** to the blend prepared as described above, and continue mixing for a few minutes to form a smooth, homogenous paste.

Pour the mix as prepared according to the indications above onto the floor to be covered, and spread it out evenly and uniformly using a straight trowel. While the product is still fresh, broadcast **Quartz 0.5**. Once the **Primer SN** has hardened, remove excess sand with an industrial vacuum cleaner.

### Preparation and application of Mapefloor Decor 700

Apply two coats of **Mapefloor Decor 700** at a thickness of from 1.5 e 3 mm.

Prepare the product by pouring component A (2 kg) into component B (8 kg), add the **Mapecolor Paste** (0.7 kg for each package of **Mapefloor Decor 700**) and mix with a low-speed drill with a spiral mixing attachment to form a smooth, homogenous paste. Slowly add from 2 to 20% by weight of water to the blend while mixing until the consistency required is obtained. When a creamy, workable mix has been formed, apply it on the floor with a trowel to obtain the decorative finish required.

Once the first layer has hardened, and within a maximum of 24 hours after application, carefully sand the surface with a fine-grained sanding disk (N° 100 or N° 120) or a special sanding pad.

Follow the same instructions to prepare and apply the second layer, but this time using a colour of **Mapecolor Paste** which contrasts with the colour used for the first layer.

### Finishing

The hardened surface of **Mapefloor Decor 700** must be protected with a suitable polyurethane finish coat from the **Mapefloor Finish** range.

If a slightly non-slip surface is required, add 5-10% by weight of **Mapefloor Filler** to the finish product according to the degree of non-slip finish required.

In order to make routine cleaning and maintenance operations simpler, we recommend applying a coat of **Mapelux Opaca** or **Mapelux Lucida** metallic wax over the entire surface of the floor.

### Cleaning

Tools used to prepare and apply **Mapefloor Decor 700** must be cleaned under running water immediately after use. Once hardened, the product may only be removed using mechanical means.

### CONSUMPTION

From 1 to 1.5 kg/m<sup>2</sup> according to the characteristics of the substrate and type of decorative finish required.

### PACKAGING

component A = 2 kg;  
component B = 8 kg.

### STORAGE

**Mapefloor Decor 700** may be stored for 12 months in its original packaging in a dry place and at a temperature of at least +10°C.

### SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

**Mapefloor Decor 700** part A may irritate the skin and eyes and it may also cause sensitisation in those subjects sensitive to such substances.

**Mapefloor Decor 700** part B is not considered as dangerous according to the current regulations regarding the classification of mixtures.

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

**Mapefloor Decor 700** part A is 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](http://www.mapei.com)



**All relevant references for the product are available upon request and from [www.mapei.com](http://www.mapei.com)**

## TECHNICAL DATA (typical values)

### PRODUCT IDENTITY

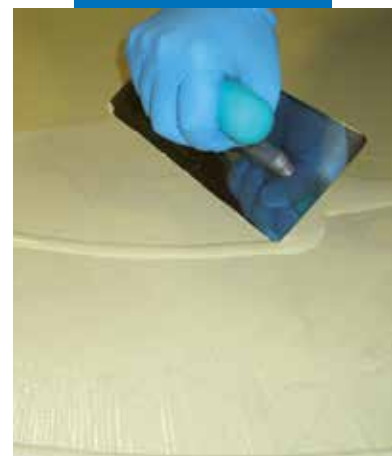
	component A	component B
<b>Colour:</b>	cream	white
<b>Appearance:</b>	paste	paste
<b>Density (g/cm<sup>3</sup>):</b>	1.2	1.65
<b>Viscosity at +23°C (Pa-s):</b>	300 ÷ 400 (H#F - rpm 2.5)	500 ÷ 800 (H#F - rpm 5)

### APPLICATION DATA (at +23°C - 50% R.H.)

<b>Mixing ratio:</b>	component A: component B = 1 : 4
<b>Colour of mix:</b>	cream
<b>Consistency of mix:</b>	paste
<b>Density of the mix (kg/m<sup>3</sup>):</b>	1,450
<b>Viscosity of mix (Pa-s):</b>	700 ÷ 1,000 (H#F - rpm 5)
<b>Surface temperature of substrate:</b>	from +12°C to +30°C

### FINAL PERFORMANCE

<b>Bond strength (DIN ISO 4624) (N/mm<sup>2</sup>):</b>	> 1.5
<b>Dust dry at +23°C and 50% R.H.:</b>	2 hours
<b>Step-on time at +23°C and 50% R.H.:</b>	12 hours
<b>Final hardening time:</b>	7 days
<b>Resistance to temperatures (open air) (°C):</b>	-20/+60
<b>Compressive strength after 7 days (EN 196-1) (N/mm<sup>2</sup>):</b>	50
<b>Flexural strength after 7 days (EN 196-1) (N/mm<sup>2</sup>):</b>	25
<b>Taber abrasion resistance after 7 days (CS 17 disk - 1000 g - 1000 revs) (mg):</b>	50



*Application of the second coat of the product using a trowel*

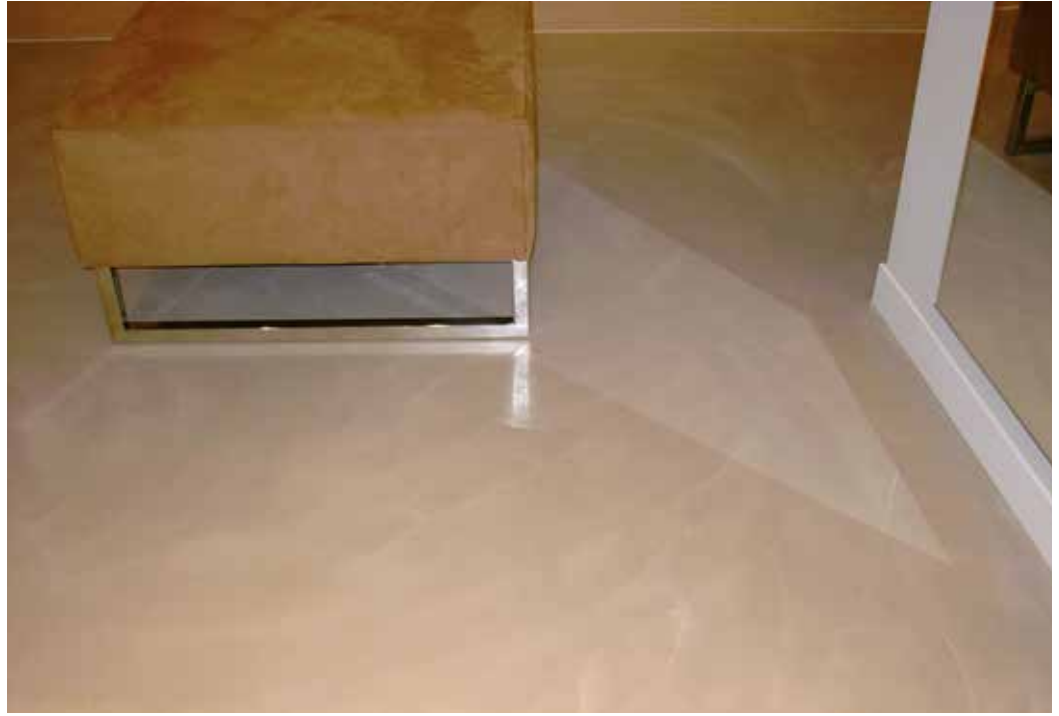


*Floor made using Mapefloor Decor 700*



*Floor made using Mapefloor Decor 700*

# Mapecolor Decor 700



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