



# Mapecolor Finish 51

**Two-component aliphatic polyurethane finishing product containing special fillers to give the product a matt finish**



## WHERE TO USE

Thanks to its excellent characteristics and extremely simple installation procedure, **Mapecolor Finish 51** is recommended as a finishing coat to improve resistance to scratching on installations made using **Mapecolor System 33** or **Mapecolor Parking System**.

## TECHNICAL CHARACTERISTICS

**Mapecolor Finish 51** is a two-component, aliphatic, polyurethane, matt finishing product with a low solvent content and high resistance to wear and abrasion.

**Mapecolor Finish 51** is highly resistant to dilute more over acid and basic solutions and with mineral oils. For limited periods of contact with other chemical substances such as esters, aromatic compounds, ketones and solvents.

**Mapecolor Finish 51** has the following characteristics:

- excellent resistance to abrasion;
- high resistance to most chemical agents;
- available in transparent matt version;
- may be coloured using **Mapecolor Paste**.

## RECOMMENDATIONS

- Do not apply the product at a rate of more than 100 g/m<sup>2</sup> in a single coat. Higher rates may cause defects in the coating.

- If the finish is applied in several coats, do not exceed the maximum time permitted before painting over to guarantee a good bond to the coating. If this time is exceeded, the surface must be mechanically roughened before applying the next coat.

- Do not apply the product directly on particularly absorbent surfaces.

## APPLICATION PROCEDURE

### Preparation of the substrate

Substrates to be treated must be structurally sound, dry, free of all loose parts, dust, dirt, grease and oil and any other material or substance which could compromise the bond of the finish to the substrate. When applying on dressings in good condition, or on new dressings once the waiting time before coating has been exceeded, the surface must be roughened using sandpaper or a wire brush.

### Preparation of the product

Mix the two components separately then pour the contents of component B into component A and mix the compound together with a low-speed electric mixer for at least three minutes until the two components are completely blended.

We recommend preparing only the quantity which may be applied within the maximum workability time.

It is also possible to colour the product by adding 10% by weight of **Mapecolor Paste**. In such cases, at least two coats of the product must be applied.

TECHNICAL DATA (typical values)			
PRODUCT IDENTITY			
	component A	component B	
Colour:	neutral, opalescent	transparent	
Appearance:	liquid	liquid	
Hazard classification according to EC 1999/45:	irritant Before using refer to the "Safety instructions for preparation and application" paragraph and the information on the packaging and Safety Data Sheet		
APPLICATION DATA (at +23°C - 50% R.H.)			
Mixing ratio:	comp A : comp B = 10 : 1		
Colour of mix:	opalescent		
Consistency of mix:	fluid		
Viscosity of mix (mPa·s):	300 ± 50 (rotor 3 – 50 revs)		
Dry solids content (%):	94		
Density of mix (kg/m³):	approx. 1250		
Pot life (3.3 kg kit):	3 hours		
Application temperature range:	from +5°C to +30°C		
Humidity (max) (%):	85		
FINAL PERFORMANCE			
Set to light foot traffic at +20°C - 60% R.H.:	approx. 16 hours		
Ready for contact with aggressive chemicals +20°C - 60% R.H.:	approx. 5 days		
Minimum waiting time before recoating:	+10°C > 72 hours	+20°C > 24 hours	+30°C > 18 hours
Maximum waiting time before recoating:	+10°C < 96 hours	+20°C < 48 hours	+30°C < 24 hours
Taber abrasion resistance after 7 days at +23°C (CS 17 disk - 1000 revs - 1000 g) (mg):	35		

If a non-slip finish is required on the **Mapefloor Finish 51**, add **Mapefloor Filler** while mixing continuously at a rate of 5-10% by weight.

### Application of the product

Once the material has been mixed, it may be applied using a short-haired roller, such as *mohair*, by spray or by *airless* spray. To get a better finish, we recommend applying the product in two criss-cross coats making sure that the recommend dose is not exceeded.

Apply **Mapefloor Finish 51** at no more than 48 hours at +20°C after applying the epoxy and polyurethane coatings.

### Cleaning

Tools used for mixing and applying the material may be cleaned with thinners for polyurethane products.

Once hardened, tools must be cleaned mechanically.

### CONSUMPTION

Consumption depends on the roughness of the substrate. The values indicated are for a smooth surface and a substrate temperature of +15°C to +25°C. Rougher surfaces or lower temperatures increase the consumption rate and hardening time of the product.

**Theoretical consumption:**  
**0.06-0.10 kg/m² (per coat).**

If a higher rate is applied without adding **Mapecolor Paste** defects may appear on the finishing, such as bleaching of the surface.

### PACKAGING

Component A: 3.0 kg.  
Component B: 0.3 kg.

## STORAGE

Store the product in a dry, covered place at a temperature of between +15°C and +25°C. The shelf-life of the product in these conditions is 6 months.

## SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

**Mapefloor Finish 51** component A may irritate if it comes into direct contact with the skin or eyes. Component A may also cause sensitising of the skin in those persons with a predisposition for such complaints. Avoid, therefore, contact with the skin when applying the product and always wear suitable gloves and protective clothing. If it does come into contact, wash well with plenty of soap and water and, if sensitising does occur, seek medical attention. We recommend using the product in well-ventilated areas.

**Mapefloor Finish 51** component A is harmful for aquatic life. Avoid spilling or dispersion of the product into the environment. For further and complete information about the safe use of our product please refer to our latest version of the 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)**



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Finish 51**



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