



Mapecfloor Finish 55

**Two-component,
aliphatic, highly flexible
polyurethane finish
resistant to wear and
UV rays**



WHERE TO USE

Thanks to its excellent flexibility, extremely simple installation procedure and high resistance to abrasion and UV rays, **Mapecfloor Finish 55** is recommended as a protective finishing coat on membranes from the **Purtop** range and on **Mapecfloor PU 400** and **Mapecfloor PU 410** used to waterproof both flat and sloping external surfaces for pedestrian and vehicle use.

Some application examples

- Protective, abrasion-resistant finish on external waterproofing systems, such as membranes from the **Purtop** range, **Mapecfloor PU 400** and **Mapecfloor PU 410**.
- Coloured finishing layer for concrete bridges, walkways after laying a flexible, polyurethane waterproofing membrane.

TECHNICAL CHARACTERISTICS

Mapecfloor Finish 55 is a two-component, aliphatic, highly flexible polyurethane finishing product with a low solvent content and high resistance to wear, abrasion and UV rays. Surfaces treated with **Mapecfloor Finish 55** also have an attractive finish.

Mapecfloor Finish 55 has the following characteristics:

- excellent flexibility;
- high resistance to wear and abrasion;
- excellent resistance to UV rays;

- excellent resistance to atmospheric agents;
- available in colours Ral 7032, Ral 1015, Ral 7046, Ral 7000, Ral 7001;
- available also in the “**Fast**” version, for fast hardening time.

Thanks to its high resistance to UV rays and atmospheric agents, **Mapecfloor Finish 55** is ideal for use in external environments.

RECOMMENDATIONS

- Workability of the product is influenced by the surrounding temperature and will reduce as the temperature increases. We recommend, therefore, that only the quantity required to be used within the maximum workability time (approximately 1 hour at +23°C) is mixed.
- Do not apply **Mapecfloor Finish 55** if the level of humidity in the substrate is higher than 4%.
- Only apply **Mapecfloor Finish 55** if the temperature of the substrate is at least +3°C higher than the dew-point temperature.
- Apply **Mapecfloor Finish 55** within 2 hours of applying the elastic polyurethane membrane from **Purtop** range.
- Apply **Mapecfloor Finish 55** within 24 hours of laying **Mapecfloor PU 400** or **Mapecfloor PU 410**.



TECHNICAL DATA (typical values)		
PRODUCT IDENTITY		
	component A	component B
Colour:	Ral 7032, Ral 1015, Ral 7046, Ral 7000, Ral 7001	transparent, colourless
Appearance:	fluid	liquid
Brookfield viscosity at +23°C (mPa-s):	4,000 ± 400 (rotor 5 - 50 revs)	550 ± 50 (rotor 3 - 50 revs)
Density (g/cm³):	1.45 ± 0.05	1.00 ± 0.05
Dry solids content (%):	85	80
APPLICATION DATA (at +23°C - 50% R.H.)		
	Mapefloor Finish 55	Mapefloor Finish 55 Fast
Mixing ratio:	comp. A : comp. B = 5.1 : 4	comp. A : comp. B = 5.1 : 4
Colour of mix:	Ral 7032, Ral 1015, Ral 7046, Ral 7000, Ral 7001	Ral 7032, Ral 1015, Ral 7046, Ral 7000, Ral 7001
Consistency of mix:	fluid paste	fluid paste
Density of mix (kg/m³):	1,250	1,250
Viscosity of mix (mPa-s):	1,200 ± 200	1,200 ± 200
Pot life at +23°C:	3 h	1 h
Dust dry at +23°C:	7-8 h	4-5 h
Application temperature range:	from +5°C to +30°C	from +5°C to +30°C
Set to light foot traffic at +23°C:	24 h	12 h
Final hardening time at +23°C:	3 d	1 d
FINAL PERFORMANCE		
Maximum deformation after 7 days at +23°C +14 days at +50°C (%):	120	120
Tear strength after 7 days at +23°C +14 days at +50°C (N/mm):	21.5	21.5
Taber abrasion resistance (CS17 disk - 1000 g - 1000 revs) after 7 days at +23°C (mg):	86	86
CHEMICAL RESISTANCE (EN 14187-4)		
Diluted hydrochloric acid:	good resistance to long periods of contact	
Diluted sulphuric acid:	good resistance to long periods of contact	
Diluted acetic acid:	good resistance to occasional brief periods of contact	
Distilled water:	good resistance to long periods of contact	
Sea water:	good resistance to long periods of contact	
Petrol:	good resistance to occasional brief periods of contact	
Diesel fuel:	good resistance to long periods of contact	
Ammonium:	good resistance to occasional brief periods of contact	
Gearbox oil:	good resistance to long periods of contact	

APPLICATION PROCEDURE

Preparation of the substrate

Substrates with a polyurethane waterproofing membrane

If the substrate to be coated has been treated with membranes from the **Purtop** range, **Mapefloor PU 400** or **Mapefloor PU 410**, it must be structurally sound and free of loose portions, dust, dirt, grease, oil and any other material or substance which could compromise the bond of the product to the substrate.

If **Mapefloor Finish 55** is applied on a waterproofing membrane after the waiting time recommended before applying a finishing product, the surface of the membrane must be roughened by grinding and all traces of dust must be removed with a vacuum cleaner.

Preparation of the product

Prepare **Mapefloor Finish 55** by hand with an electric mixer.

Mix the two components separately with a low-speed electric mixer, then pour component B into component A and mix together for several minutes until they are thoroughly blended.

We recommend that you prepare only the quantity required within the maximum workability time (approximately 1 hour at +23°C).

Application of the product

Mapefloor Finish 55 may be applied in a single coat using a roller or an airless spray gun. If the product is applied with a roller, we recommend applying the product with criss-cross strokes and to make sure that it is applied evenly to get a good, attractive finish.

Cleaning

Tools used to mix and apply the product may be cleaned with thinners for polyurethane before it hardens. Once hardened, it may only be removed mechanically.

CONSUMPTION

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

Theoretical consumption: 0.15-0.35 kg/m².

PACKAGING

Component A: 5.1 kg.

Component B: 4.0 kg.

STORAGE

Store in a covered, dry place at a temperature of between +15°C and +25°C. The product may be stored up to 6 months in such conditions.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Mapefloor Finish 55 component A and component B are irritant. May cause sensitization by skin contact to those predisposed. Use protective gloves and goggles.

Mapefloor Finish 55 component A is harmful for aquatic life. Do not dispose of the product in the environment.

For further and complete information about a 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

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

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