



Mapecfloor Finish 55

**Two-component,
aliphatic, highly elastic
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 40 LV** and **Mapecfloor PU 410** used to waterproof both flat and sloping external surfaces for pedestrian use.

Some application examples

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

TECHNICAL CHARACTERISTICS

Mapecfloor Finish 55 is a two-component, aliphatic, highly elastic 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 elasticity;
- high resistance to wear and abrasion;
- excellent resistance to UV rays;

- excellent resistance to weathering;
- available in various RAL colours. Please contact Head Office for a full list of the colours available.

Thanks to its high resistance to UV rays and weathering **Mapecfloor Finish 55** is ideal for outdoor uses.

RECOMMENDATIONS

- Workability of the product is influenced by ambient and substrate temperatures. Workability time is affected by ambient temperature; it reduces as the temperature increases. It is recommended therefore to prepare only the quantity that can be used within the maximum workability time (approximately 1 hour at +23°C).
- Do not apply **Mapecfloor Finish 55** if the substrate moisture content 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 LV** or **Mapecfloor PU 410**.



TECHNICAL DATA (typical values)		
PRODUCT IDENTITY		
	component A	component B
Colour:	RAL colours	transparent, colourless
Appearance:	fluid	liquid
Brookfield viscosity at +23°C (mPa-s):	1,700 ± 400 (rotor 5 - 50 revs)	700 ± 50 (rotor 3 - 50 revs)
Density (g/cm³):	1.45 ± 0.05	1.07 ± 0.05
Dry solids content (%):	85	80
APPLICATION DATA (at +23°C - 50% R.H.)		
Mixing ratio:	comp. A : comp. B = 5.1 : 4	
Colour of mix:	RAL colours	
Consistency of mix:	fluid paste	
Density of mix (kg/m³):	1,250	
Viscosity of mix (mPa-s):	1,200 ± 200	
Pot life at +23°C:	1 h	
Dust dry at +23°C:	3-4 h	
Application temperature range:	from +5°C to +30°C	
Set to light foot traffic at +23°C:	24 h	
Final hardening time at +23°C:	3 d	
FINAL PERFORMANCE		
Maximum deformation after 7 days at +23°C +14 days at +50°C (%):	140	
Tear strength after 7 days at +23°C +14 days at +50°C (N/mm):	25	
Taber abrasion resistance (CS17 disk - 1000 g - 1000 revs) after 7 days at +23°C (mg):	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 LV** or **Mapefloor PU 410**, it must be structurally sound and free of loose portions, dust, dirt, greases, oils and any other material or substance which could compromise the adhesion of the product to the substrate.

If **Mapefloor Finish 55** has to be applied on a waterproofing membrane but the waiting time between the coats has already passed, the surface of the membrane must be roughened by grinding and all traces of dust must be removed by vacuum.

Preparation of the product

Stir the two components separately then pour component B into component A and mix them with a low-speed electric mixer (300-400 rev/min) for a few minutes until they are thoroughly blended.

It is recommended to prepare only the quantity that can be applied 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 by roller or by airless spray. If the product is applied by roller, we recommend applying the product in two directions at right angle to each other 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

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

12 months in its original sealed packaging in a covered and dry area at a temperature between +15°C and +25°C. PROTECT FROM FROST.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Instructions for the safe use of our products can be found on the latest version of the Safety Data Sheet, available from our website www.mapei.com.

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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