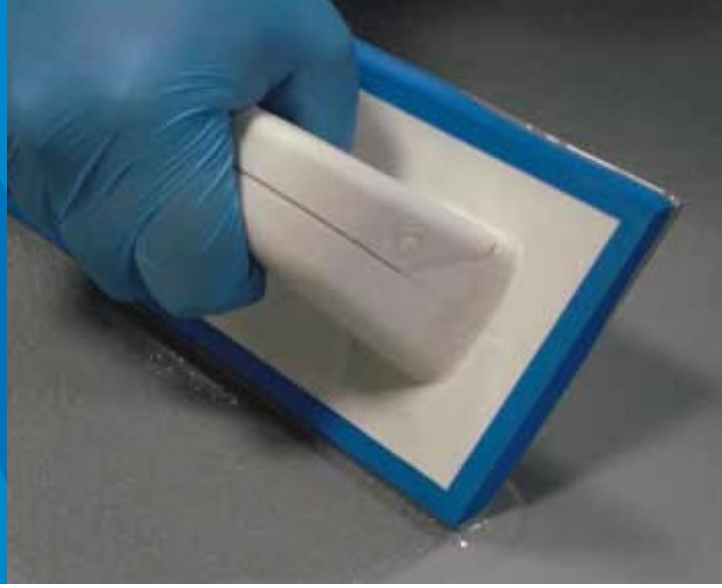
MAPEFLOOR FINISH 415 ME

Two-component, aromatic, coloured, flexible, wear-resistant polyurethane finish



WHERE TO USE

Thanks to its flexibility, extremely simple application procedure, and high resistance to abrasion, **Mapefloor Finish 415 ME** is recommended as a protective finish for surfaces coated with **Mapefloor PU 410** or **Mapefloor PU 400 LV** and for protecting surfaces for indoor car-parks floors **(Mapefloor Parking System HD, Mapefloor Parking System ED** or **Mapefloor Parking System WD)**

Some application examples

Protective, wear-resistant finish for internal protective and waterproof systems produced using polyurethane membranes of **Mapefloor PU 410** or **Mapefloor PU 400 LV**, preliminary broadcast with quartz sand.

TECHNICAL CHARACTERISTICS

Mapefloor Finish 415 ME is a two-component, aromatic, coloured, flexible polyurethane finish with excellent resistance to wear and abrasion.

Mapefloor Finish 415 ME has the following characteristics:

- attractive finish
- good level of elasticity
- excellent hiding power
- high resistance to wear and abrasion
- easy application
- good resistance to chemicals, oils, or carburants in general

RECOMMENDATIONS

- Workability of the product is influenced by the surrounding temperature and by the temperature of the substrate. The pot-life varies according to the surrounding temperature and reduces as the temperature increases. We recommend, therefore, preparing only the quantity of material that can be applied within the pot-life.
- Do not apply **Mapefloor Finish 415 ME** on damp substrates or on substrates with capillary rising damp (please contact our Technical Services Department).
- Do not dilute **Mapefloor Finish 415 ME** with solvent or water.
- Do not apply **Mapefloor Finish 415 ME** on dusty or crumbling substrates.

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- Do not apply **Mapefloor Finish 415 ME** on substrates with oil or grease stains or stains in general.
- Do not mix partial quantities of the components to avoid mixing errors; the product may not harden correctly.
- Do not expose the mixed product to sources of heat.
- Coatings made from **Mapefloor Finish 415 ME** change colour or fade if exposed to sunlight but this has no effect on its performance characteristics.
- The coating may also change colour if it comes into contact with aggressive chemicals. A change in colour, however, does not mean that it has been damaged by the chemical.
- Only apply **Mapefloor Finish 415 ME** if the temperature of the substrate is at least 3°C higher than the dew-point temperature.

Please contact our offices to know the list of colours available.

APPLICATION PROCEDURE

Preparation of the substrate

Substrates with a polyurethane elastic membrane

Substrates to be coated must be structurally sound and free of loose material, dust, dirt, grease, oil, and any other material or substance that could compromise the adhesion of the finish to the substrate. Only apply **Mapefloor Finish 415 ME** on **Mapefloor PU 410** or **Mapefloor PU 400 LV** or **Primer SN** once they are hardened and after having broadcast in excess the surface with quartz sand (Quartz 0.5 or a Quartz 0.9, depending on the degree of non-slip finish required) and have removed all excess sand.

Preparation of the mix

Mix each of the two components of **Mapefloor Finish 415 ME** separately with a low-speed electric mixer. Pour component B into the container of component A, and mix again for a few minutes until completely blended. Pour the mixture into a clean container and briefly mix again.

Application of the product

Apply **Mapefloor Finish 415 ME** in a single coat with a roller or a straight steel or rubber trowel. If the finish 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. If the finish is applied with a rubber trowel, the consumption and the hiding power will be lower and the surface will be rougher compared with application with a steel trowel.

Cleaning

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

CONSUMPTION

Consumption depends on the roughness of the substrate, the room temperature and the type of tool used to apply the product. The figures indicated are for application on a substrate at a temperature between +15°C and +35°C. Lower temperatures increase the consumption rate and hardening time of the product.

Theoretical consumption: 0.3-0.8 kg/m² depending on the selected system. (we recommend carrying out preliminary tests to verify the real consumption rate according to the particle size of the broadcast quartz sand).

PACKAGING

12.5 kg kit:
– component A: 10 kg;
– component B: 2.5 kg.

STORAGE

Store the product in a covered, dry place at a temperature of between +15°C and +35°C. The product may be stored for 12 months in such conditions.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

When the product reacts it generates low amount of heat. After mixing components A and B, we recommend applying the product as soon as possible and never leaving the container unattended until it is completely empty.
Instruction on the safe use of our products can be found on the latest version of the Safety Data Sheet available on our website www.mapei.ae.

TECHNICAL DATA (typical values)

PRODUCT IDENTIFICATION		
	Component A	**Component B**
Colours:	RAL colours	brown
Consistency:	thick liquid (paste)	liquid
Brookfield viscosity at +23°C (mPa·s):	8,000-10,000 (# 4 - 10 rpm)	70-110 (# 1 - 50 rpm)
Density (g/cm³):	1.40	1.20
APPLICATION DATA (at +23°C and 50% R.H.)		
Mixing ratio:	comp. A : comp. B = 80 : 20	
Colour of mix:	RAL colours	
Consistency of mix:	liquid / paste	
Density of mix (kg/m³):	1,350	
Viscosity of mix (mPa·s):	2,000-2,500	
Pot life at +23°C (gel time):	60 min	
Application temperature:	from +10°C to +35°C	
Dust dry at +23°C:	90 min	
Set to foot traffic at +23°C:	24 h	
Final hardening time at +23°C:	3 days	
FINAL PERFORMANCE		
Shore A hardness (ASTM D2240):	90	
Elongation at failure after 7 days at +23°C: (ASTM C957-D412) (%):	30	
Tear strength after 7 days at +23°C: (ASTM D1004) (N/mm):	60	
Tensile strength after 7 days at +23°C: (ASTM C957-D412) (N/mm²):	>10	

Taber abrasion resistance (CS17 disk – 1,000 g – 1,000 revs) after 7 days at +23°C (ASTM C957-D4060)(mg):	<50

IMPORTANT NOTES

Whilst we try to ensure that any advice, recommendations or information given in our literature is accurate and correct, we have no control over the circumstances in which our product is used. It is therefore important that installers satisfy themselves that the product and conditions are suitable for the envisaged application. No warranty can be given or responsibility accepted other than that the product supplied by us will meet our written specification. The installer should ensure that our latest product data and safety information sheets have been consulted prior to use.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.ae.

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

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into other project-related documents, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation. The most up-to-date TDS can be downloaded from our website www.mapei.ae.

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