

MAPEFLOOR FINISH 630

Two-component, protective acrylic film-forming agent in water dispersion for floors made from concrete, Ultratop and Ultratop Living



WHERE TO USE

Mapefloor Finish 630 has been specifically formulated to protect cementitious systems such as **Ultratop** and **Ultratop Living** and as an anti-dust and anti-oil treatment for concrete floors.

Some application examples

- Transparent finishing coat on self-levelling cementitious floors made using **Ultratop** or **Ultratop Living** in industrial and/or civil environments.
- Transparent anti-dust treatment on concrete floors, such as warehouses, store rooms and laboratories subjected to light traffic and occasional spillages of non-aggressive liquids.

TECHNICAL CHARACTERISTICS

Mapefloor Finish 630 is a two-component, transparent acrylic formulate in water dispersion which forms a good chemical and mechanical resistance, on treated surfaces, according to a formula developed in the MAPEI R&D laboratories.

Apply **Mapefloor Finish 630** with a wax mop, with a roller or by *airless* spray at a thickness of 60 to 100 micron.

When hardened, the product improves the mechanical characteristics of the treated surface, and in particular guarantees reduced water absorption and good chemical resistance.

Surfaces treated with **Mapefloor Finish 630** have the following performance characteristics:

- good resistance to abrasion;
- improved chemical resistance;
- good resistance to absorption (of water and oil).

RECOMMENDATIONS

- Do not apply more than 100 g/m² of the product per coat. Larger quantities could cause defects in the coating.
- Do not apply **Mapefloor Finish 630** on dusty, crumbly or flimsy substrates.
- Do not apply **Mapefloor Finish 630** on dirty surfaces or surfaces seeped in oil or greasy substances which could affect the product bonding to the substrate.
- Apply the product within 1 hour from mixing the two components together. If it is not applied within 1 hour, component B will be less efficacy and it will have to be added to component A again.
- Protect **Mapefloor Finish 630** from frost.
- Apply **Mapefloor Finish 630** at a temperature of at least +10°C, and in all cases at least +3°C above dew-point.

APPLICATION PROCEDURE

Preparation of the substrate

Ultratop and Ultratop Living surfaces

Ultratop and **Ultratop Living** surfaces to be treated with **Mapefloor Finish 630** must be completely hardened.

Before treating the surface with **Mapefloor Finish 630** wait at least 48 hours, according to the temperature and the thickness applied.

Sand the surface and remove all traces of dust with an industrial vacuum cleaner.

Wash the surface and leave it damp to guarantee a good bond and to make it easier to apply an even coat of the protective finish.

Concrete surfaces

Concrete surfaces must be solid and perfectly clean. Remove all traces of dust, grease and form-release agent before applying **Mapefloor Finish 630**.

Sand the surface and remove all traces of dust with an industrial vacuum cleaner.

Before applying the **Mapefloor Finish 630**, we recommend wetting the surface with water to guarantee a good bond and to make it easier to apply an even coat of the finishing product.

Preparation of the product

Mapefloor Finish 630 is an acrylic formulate made from two pre-dosed components.

To prepare the product, mix component A with component B at a ratio of 10 : 0.15 with a low-speed drill with a mixing attachment until a homogenous, foam-free mix is obtained.

Only mix quantities which will be used within 1 hour.

Application of the product

Apply an even coat of **Mapefloor Finish 630** immediately after mixing the two components together using a suitable wax mop, a short-haired roller such as *mohair* or by *airless* spray.

Two coats of the product are usually required for concrete surfaces and **Ultratop** and **Ultratop Living** floors.

CLEANING

Clean tools used to prepare and apply **Mapefloor Finish 630** immediately after use with plenty of running water. Once hardened, the product may only be removed mechanically.

CONSUMPTION

0.15-0.20 kg/m² according to the grade of porosity and absorption of the substrate.

PACKAGING

- Component A: 10 kg.
- Component B: 150 g.

STORAGE

Store in a covered, dry place at a temperature of between +12°C and +30°C. The product may be stored up to 12 months in such conditions.

Protect from frost.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Mapefloor Finish 630 component A is not hazardous according to european regulation on classification of mixtures.

Component B is hazardous and may cause serious damage to the eyes, irritate the skin and cause sensitisation in those allergic to such substances. Can cause irreversible damage.

We recommend using protective clothing (gloves and goggles) and to work only in well-ventilated areas.

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.

| | | |
|---------------------------------|-------------|-------------|
| TECHNICAL DATA (typical values) | | |
| PRODUCT IDENTITY | | |
| | component A | component B |

| | | |
|--|-------------------------------|----------------------------|
| Colour: | milky white | transparent |
| Appearance: | liquid | liquid |
| Density (g/cm ³): | 1.019 | 1.066 |
| Brookfield Viscosity (mPa·s): | 2 (rotor 1 - 100 revs) | 300 (rotor 2 - 50 revs) |
| APPLICATION DATA (at +23°C - 50% R.H.) | | |
| Mixing ratio: | comp. A: comp. B: = 10 : 0.15 | |
| Colour of mix: | transparent milky white | |
| Consistency of mix: | fluid | |
| Dry solid content (3h - 105°C) (%): | 23 | |
| Density of mix (kg/m ³): | 1,028 | |
| Viscosity of mix (mPa·s): | 25 (rotor 1 - 100 revs) | |
| Workability time: | 60 min. | |
| Surface temperature: | from +12°C to +30°C | |
| Varnishing: | after 6-8 h at +23°C | |
| Dust dry at +23°C and 50% R.H.: | 2 h | |
| FINAL PERFORMANCE | | |
| Abrasion resistance: Taber abrasion-meter (CS 17 disk - 500 revs - 1000 g) after 7 days (mg): | 65 | |
| Set to foot traffic at +23°C and 50% R.H.: | 24 h | |
| Final hardening time: | 4 days | |

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

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