



Ultracoat PF1

Two-component, fireproof polyurethane varnish which complies with class 1 fire reaction certification for wooden floors according to UNI 9796/CNVVF/CCI Standards, as outlined in D.M. 06/03/92



WHERE TO USE

For finishes with a high resistance to wear on floors and wooden items, where class 1 fire reaction certification is required.

TECHNICAL CHARACTERISTICS

Ultracoat PF1 is a two-component, fire-proof varnish used to treat wooden surfaces and, according to the requirements of D.M., 6th March 1992, gives the treated wooden product class 1 fire reaction properties.

Ultracoat PF1 is a varnish characterised by its high resistance to wear, excellent workability, a high yield, high covering properties and intense totalisation.

RECOMMENDATIONS

- Do not use **Ultracoat PF1** on materials veneered with wooden slats or sheets bonded with resin-based thermoplastic adhesives, as indicated in UNI 9796.
- Do not use **Ultracoat PF1** on assembled products with a lamellated or splined structure with air cavities, or with cavities filled with heterogenous material, as indicated in 9796.
- Do not use **Ultracoat PF1** at temperatures lower than +10°C.
- Do not use on external surfaces.
- Before use, acclimatise the product to the temperature of the area where it is applied.
- Use only clean containers and tools.
- Completely remove all traces of previous treatments in order to achieve an even finish.
- Environmental conditions and residual humidity in the wood when it is laid must conform to current norms and standards.
- Protect treated surfaces from direct sunlight and draughts for the first 3 hours after application.
- Once opened, each canister must be applied as quickly as possible.

- Keep away from naked flames and sparks, do not smoke and ventilate rooms after application.

APPLICATION PROCEDURE

Preparation of the substrate

Sand the floor with large and medium-grained sandpaper, and vacuum off all dust. Grout cracks and irregularities in the surface with **Ultracoat LS**, according to instructions contained in the product's Technical Data Sheet. Remove all traces of dust after sanding.

Preparation of the product

Shake both components well before use. Pour component A into a clean container and add component B while mixing, at a mixing ratio of comp A : comp B = 1 : 1. Mix carefully until the components are completely homogenised. Let the product stand for 10 minutes before application. The product prepared as described above must be applied within 4 hours.

Application of the product

Apply a first, even coat of **Ultracoat PF1** (150 g/m²) using a brush, a roller or by spray. After 24-48 hours, sand the surface with **Ultracoat SR150/180** mesh, clean carefully and apply a second coat (150 g/m²). As soon as the floor is ready to be stepped on, apply a third coat (150 g/m²). Class 1 fire reaction certification may be obtained by applying a total of at least 450 g/m² of the product (equivalent to 405 ml/m²).

Cleaning

Tools and residues of **Ultracoat PF1** may be cleaned with Pulicol while the product is still fresh. Once hardened, the product must be removed mechanically.

CONSUMPTION

150 g/m² per coat. Class 1 fire reaction certification may be obtained by applying a total of three coats of the

Ultracoat PF1



TECHNICAL DATA (typical values)

PRODUCT IDENTITY

	comp. A:	comp. B
Consistency:	liquid	liquid
Colour:	straw yellow	straw yellow
Density (g/cm³):	1.190	1.040
Storage:	12 months	
Hazard classification according to EC 1999/45:	harmful, highly inflammable Before using refer to the "Safety instructions for preparation and application" paragraph and the information on the packaging and Safety Data Sheet	
Customs class:	3208 90 91	

APPLICATION DATA (at +23°C and 50% R.H.)

Dusty dry:	90 minutes
Set to the touch:	5 hours
Sanding:	after 12 hours
Varnishing:	after 24 hours
Ready for use:	3 days

FINAL PERFORMANCE

Bonding (checker-work) (%):	100
Abrasion resistance (Taber test - 1000 revs, 1000 g, CS10 disk):	30 mg
Gloss factor:	shiny (90 gloss)

product for a total of 450 g/m² (equivalent to 405 ml/m²).

PACKAGING

20 litre kits (A+B).

STORAGE

12 months in its original, sealed packaging in a dry place.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION
Ultracoat PF1 is hazardous if swallowed or inhaled. It may also cause drowsiness or giddiness, or rashes in those subjects allergic to such products. Use protective gloves and goggles, and apply the product in well-ventilated environments. In the case of accidents or sickness, seek medical attention. The product is inflammable: store and apply the product away from naked flames and sparks. This product is hazardous for aquatic life: Do not dispose of the product in the environment.

For further information, please refer to the Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

WARNING

While the indications and guidelines contained in this data sheet correspond to the company's knowledge and wide experience, they must be considered, under all circumstances, merely as an indication and subject to confirmation only after long-term, practical applications. Therefore, anybody who undertakes to use this product, must ensure beforehand that it is suitable for the intended application and, in all cases, the user is to be held responsible for any consequences deriving from its use.

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