



Ultracoat P925

Two-component, water-based polyurethane varnish, with an extremely low emission level of volatile organic compounds (VOC) and no NMP, highly resistant to wear and abrasion, for wooden floors. Suitable for floors subject to extremely high pedestrian use



WHERE TO USE

Highly protective wear and abrasion-resistant finish on traditional and pre-sanded wood, and wooden floors requiring repair. It may be used in civil and commercial environments subject to extremely high pedestrian use (public offices, shopping centres, airports, exhibition halls, etc.).

TECHNICAL CHARACTERISTICS

Ultracoat P925 is a two-component, aliphatic (does not yellow) water-based polyurethane varnish, characterised by its excellent resistance to abrasion and skid marks, a characteristic which has never been possible with other water-based products. It leaves the parquet with an attractive "natural" finish. Floors treated with this varnish have a natural, even finish, and may be cleaned very easily, very similar to impregnation cycles which require the use of oil and wax. If it is applied directly without a base product, it livens up the colour of the parquet without yellowing over the years.

Ultracoat P925 is solvent-free and contains no NMP (N-methyl-pyrrolidone) and has an extremely low emission level of volatile organic compounds (VOC). **Ultracoat P925** is available with an extra opaque (10 gloss - **Ultracoat P925/T**), opaque (30 gloss - **Ultrabond P925/O**) or a satin finish (60 gloss - **Ultrabond P925/S**).

RECOMMENDATIONS

- Do not use **Ultracoat P925** 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 to be applied.
- Use only clean containers and tools.
- On types of wood rich in extracts, we recommend checking the product's compatibility, and in all cases, application of a base coat of **Ultracoat P920 2K** or **Ultracoat P920 S-T**.
- 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 standards.

- Protect treated surfaces from direct sunlight and draughts for the first 3 hours after application.
- Do not use different batches of the product in the same area, or in adjacent areas.
- Leftovers of the product must not be put back into its containers. Partially-used containers must not be stored for very long.
- In high temperatures, we recommend diluting the product with 10% water or with **Ultracoat EL**.

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 Acqua Plus** or **Ultracoat LS**, according to instructions contained in the relevant product's Technical Data Sheet. Remove all traces of dust after sanding.

Preparation of the product

Shake component A before use, insert the filter in the cap of the can and pour the product into the special basin. Remove the filter from the cap before closing the canister, and clean it with water. Add component B while mixing at a ratio of comp A : comp B = 10 : 1 (by volume) and mix thoroughly until the components are completely and homogeneously blended. If necessary, dilute with up to 10% of water or with **Ultracoat EL** (Directive 2004/42/CEE). Let the product stand for 10 minutes before application. The product prepared as described above must be applied within 2 hours.

Application of the product - Varnishing cycle in two coats

Apply **Ultracoat P925** in an even coat using a brush or a roller (**Ultracoat Roller Finish**).

After 12 hours abrade and carefully remove dust. Apply a second coat of **Ultracoat P925**. The two coats cycle is usually enough to complete the varnishing cycle. If a further coat is required (varnishing cycle in three coats), it may be applied after 2 to 5 hours without sanding in between.

Ultracoat P925



TECHNICAL DATA (typical values)

PRODUCT IDENTITY

	comp. A	comp. B
Consistency:	liquid	liquid
Colour:	transparent	whitish
Density of Ultracoat P925/S (g/cm³):	1.030	1.120
Density of Ultracoat P925/O (g/cm³):	1.040	1.080
Storage:	12 months	
Hazard classification according to EC 1999/45:	none irritant Before using refer to the "Safety instructions for preparation and application" paragraph and the information on the packaging and Safety Data Sheet	
Customs class:	3209 90 00	

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

Dust dry:	25 minutes
Set to the touch:	40 minutes
Maximum permitted dilution ratio (Directive 2004/42/CEE):	10% with clean water
Sanding:	after 12 hours
Painting:	after 2 hours, within 5 hours
Ready for use:	36-48 hours

FINAL PERFORMANCE

Bonding (checker-work) (%):	100
Abrasion resistance (Taber test - 1000 revs, 1000 g, CS10 disk):	10 mg
Gloss factor:	extra opaque (10 gloss - Ultracoat P925 S-T) opaque (30 gloss - Ultracoat P925/O) satin (60 gloss - Ultracoat P925/S)

If the time required goes beyond 5 hours, a further sanding operation is required. As an alternative, the water-based base-coats **Ultracoat P920 2K** or **Ultracoat P920 S-T** may be used as first coat. The times and prescriptions on the relevant technical data sheets must be followed.

Cleaning

Tools and residues of **Ultracoat P925** may be cleaned with water if the product is still fresh. Once hardened, the product must be removed mechanically.

CONSUMPTION

70-90 g/m² per coat.
On using **Ultracoat P920 2K** and **Ultracoat P920 S-T** base coats the required consumption is reduced to 50/60 g/m² for each coat.

PACKAGING

11 litre kits (A+B).

STORAGE

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

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Ultracoat P925 comp. B is an irritant, and may provoke rashes in those allergic to such products. When mixing and applying the product, we

recommend using protective gloves and goggles. Further information is available in the product's 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

