

# ULTRACOAT HT 2K

Two-component, polyurethane, water-based lacquer with very low emission of VOC, EC1 PLUS, "Tested according to ISO 22196", for finishing wooden floors



## WHERE TO USE

Highly protective, wear and abrasion-resistant finish for solid and pre-sanded wooden floors and wooden floors requiring repair. Suitable for use in residential and commercial environments, including those subject to extremely high pedestrian traffic (public offices, shopping centres, airports, exhibition halls, etc.).

## TECHNICAL CHARACTERISTICS

**Ultracoat HT 2K** is a two-component, water-based lacquer formulated with 100% aliphatic (non-yellowing) polyurethane resin, characterised by an excellent level of resistance to abrasion and scuff marks from rubber-soled shoes. It also gives parquet floors an attractive "natural wood" finish, especially in the 0 gloss version.

Direct application of the 0 gloss version on dark wood is not recommended.

In case of exotic hardwood such as South American or Asian varieties, the use of a base coat is always recommended.

**Ultracoat HT 2K** is available in 0 gloss - 10 gloss - 30 gloss - 60 gloss.

## RECOMMENDATIONS

- Use, transport and store **Ultracoat HT 2K** at temperatures between +10°C and +25°C.
- Do not use on exterior surfaces.
- Use only clean containers and tools.
- On types of wood with a high content of extracts, we recommend checking that the product is compatible or applying **Ultracoat Universal Base** or **Ultracoat Premium Base** as a first coat.
- Completely remove all traces of previous treatments in order to obtain an even finish.
- Protect treated surfaces from direct sunlight and draughts for the first three hours after application.
- Leftovers of the product must not be put back into its container. Partially-used containers must not be stored for very long periods.
- At high temperatures, we recommend diluting the product with 10% water or with **Ultracoat EL** (Dir. 2004/42/EC).

## 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.

At high temperatures, dilute the product with up to a maximum of 10% clean water or **Ultracoat EL** (Dir. 2004/42/EC).

Add component B at a ratio of comp. A : comp. B = 10 : 1 (in volume) and mix thoroughly.

Apply the mix within 2 hours of blending.

If only a part of component A is used, remove the filter before closing the can and rinse it thoroughly with clean water.

## APPLICATION PROCEDURE

Sand wooden floors with coarse and medium-grained sandpaper and remove all traces of dust with a vacuum cleaner. Grout cracks and irregularities in the surface with **Ultracoat Aqua Plus** or **Ultracoat Binder**, according to the instructions contained in the product's relative Technical Data Sheet.

Remove all traces of dust after sanding.

Apply a first, even coat of **Ultracoat HT 2K** or a base coat of **Ultracoat Universal Base** or **Ultracoat Premium Base** with **Ultracoat Roller T10**.

If **Ultracoat HT 2K** is used for the first coat, sand the surface after 8 hours with **Ultracoat SR 180/220**.

If a **Ultracoat** base coat has been applied, proceed according to the instructions contained in the product's relative Technical Data Sheet.

Then carefully remove all traces of dust and apply the second coat of **Ultracoat HT 2K**, using **Ultracoat Roller T5**.

If a three-layer cycle is required, apply the final coat after at least 2 hours and within 5 hours without sanding. If successive coats are applied after more than 5 hours, sand the surface again prior to application.

For application with a spray gun, dilute with up to 10% water if necessary.

## Cleaning

Tools and residuals of **Ultracoat HT 2K** may be cleaned with water while the product is still fresh.

Once hardened, the product may only be removed mechanically.

## CONSUMPTION

First coat with **Ultracoat Roller T10** or **T5**: 80-100 ml/m<sup>2</sup>; successive coats 50-70 ml/m<sup>2</sup>.

## PACKAGING

Units (A+B) 5 + 0.5 l.

## STORAGE AND TRANSPORT

12 months from the production date in its original, sealed packaging in a dry, fresh place.

Protect from frost and heat, for long-distance transport, use vehicles with temperature-controlled units.

Transport and store at temperatures between +10°C and +25°C.

## 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](http://www.mapei.com).

PRODUCT FOR PROFESSIONAL USE.

| TECHNICAL DATA (typical values)                     |   |
|---|---|
| PRODUCT IDENTITY                                    |   |
|   | comp. A    comp. B                          |
| Consistency:  | liquid    liquid                            |
| Colour:   | transparent off-white                       |
| EMICODE:  | EC1 Plus - very low emission                |
| APPLICATION DATA (at +23°C - 50% R.H.)              |   |
| Dust dry:   | 25 min.                                     |
| Touch dry:  | 40 min.                                     |
| Maximum permitted dilution ratio (Dir. 2004/42/EC): | 10% with clean water or <b>Ultracoat EL</b> |
| Sanding:  | after 12 hours                              |

|   |  |
|---|--|
| Varnishing (without sanding):   | after 2 hours and within 5 hours         |
| Ready for use:  | 36-48 hours                              |
| <b>FINAL PERFORMANCE</b>  |  |
| Bonding (checker-work) Önorm C 2354:  | C  |
| Abrasion resistance (Taber test - 1000 revs, 1000 g, CS10 disk):            | 10 mg                                    |
| Chemical resistance Önorm C 2354:   | 1 B                                      |
| Elasticity Önorm C 2354:  | C  |
| Reaction to fire classification in combination with Ultracoat Premium Base: | B <sub>FL-s1</sub> - C <sub>FL-s1</sub>  |
| Gloss factor:   | 0 gloss - 10 gloss - 30 gloss - 60 gloss |

| <b>RESISTANCE TO BACTERIAL ATTACKS (IMSL test report)</b> |                    |               |           |
|---|--------------------|---------------|-----------|
| Bacterial strain  | Measurement method | Standard test | Result    |
| Staphylococcus aureus:                                    | ISO 22196          | ≥ 99.9%       | compliant |
| Escherichia coli:   | ISO 22196          | ≥ 99.66%      | compliant |
| Enterococcus faecalis:                                    | ISO 22196          | ≥ 99.53%      | compliant |
| Pseudomonas aeruginosa:                                   | ISO 22196          | ≥ 99.9%       | compliant |

## 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](http://www.mapei.com)

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