



Ultracoat HT 2K



Two-component, 100% polyurethane water-based lacquer with very low emission of volatile organic compounds (EMICODE EC1 Plus). Suitable for finishing wooden floors subject to extremely high pedestrian use



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. If applied directly without a base product, it considerably enhances the colour of the parquet and does not yellow over the years (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 external 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. (In case of exotic

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

- 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 3 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/EEC).

Protect from frost. For transport at low temperatures, use vehicles with temperature-controlled units.

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/EEC). 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.

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/EEC):	10% with clean water or Ultracoat EL	
Sanding:	after 12 hours	
Varnishing (without sanding):	after 2 hours and within 5 hours	
Ready for use:	36-48 hours	
FINAL PERFORMANCE		
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 _{FL} -s1 - C _{FL} -s1	
Gloss factor:	0 gloss - 10 gloss - 30 gloss - 60 gloss	

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** or **Ultracoat Pad Special Stripper** abrasive disk. If a base coat of **Ultracoat Universal Base** or **Ultracoat Premium Base** 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

Clean tools and remove residues of **Ultracoat HT 2K** 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/m²; successive coats 50-70 ml/m².

PACKAGING

5+0.5 litre kits (A+B).

STORAGE

Ultracoat HT 2K may be stored for 12 months in its original, sealed packaging in a dry place.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Ultracoat HT 2K component A is not considered dangerous according to the current regulation regarding the classification of mixtures.

Ultracoat HT 2K component B is hazardous if inhaled and may irritate the respiratory system. It may also cause sensitization in those subjects sensitive to isocyanates. During use wear protective gloves and goggles and take the usual precautions for

handling chemicals. If the product comes into contact with the eyes or skin, wash immediately with plenty of clean water and seek medical attention. Wear a suitable safety mask to protect the respiratory system. Furthermore, **Ultracoat HT 2K** component B is hazardous for aquatic life. Do not dispose of this product in the environment. For further and complete information about the safe use of our product please refer to the latest version of our Safety Data Sheet.

RESTRICTED TO PROFESSIONAL USERS.

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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The most up-to-date TDS can be downloaded from our website www.mapei.com.

ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.



This symbol is used to identify Mapei products which give off a low level of volatile organic compounds (VOC) as certified by GEV (Gesellschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.

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

**Ultracoat
HT 2K**



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