ULTRACOAT MT 2K

Two-component water-based acrylic-polyurethane lacquer for wooden floors with very low emission of volatile organic compounds (EMICODE EC1 Plus). Suitable for floors exposed to medium to high pedestrian use

WHERE TO USE

Finish for solid and pre-sanded wooden floors and wooden floors requiring repair in civil and commercial environments, including those exposed to medium to high pedestrian use.

TECHNICAL CHARACTERISTICS

Ultracoat MT 2K (Medium Traffic) is a two-component, aliphatic (non-yellowing), water-based acrylic-polyurethane lacquer characterised by excellent resistance to wear and abrasion and scuff marks. When applied directly without primer, it considerably brightens up the natural colour of 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 MT 2K is available in the versions Matt and Seidenmatt.

RECOMMENDATIONS

· Transport, store and use **Ultracoat MT 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 if the product is compatible or applying a one or two-component base coat for the first coat following the instructions indicated on the relevant Technical Data Sheets. (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 their container. Partially-used containers must not be stored for very long.
· At high temperatures, it is always recommended to dilute the product with 10% water or **Ultracoat EL** (Directive 2004/42/EC).

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

Preparation of the product

Shake component A, add component B and shake well for a few minutes until both components are well blended. Before applying the product insert the special filter supplied with the product.
At high temperatures, dilute component A with up to 10% of clean water or **Ultracoat EL** before adding component B (Directive 2004/42/EC).

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**, **Ultracoat Binder** or **Ultracoat Filler S1**, according to the instructions contained in the relative product's Technical Data Sheet. Remove all traces of dust after buffing.
Apply a first, even coat of **Ultracoat MT 2K** with **Ultracoat Roller T10** or of a one or two-component base coat following the instructions indicated on the relevant Technical Data Sheets.
If **Ultracoat MT 2K** is used for the first coat, buff the surface after 12 hours with an **Ultracoat SR** 180/220 abrasive disk or with **Ultracoat Pad Special Stripper**. If an **Ultracoat** base coat has been applied, proceed according to the instructions contained in the product's relative Technical Data Sheet.
Carefully remove all traces of dust and apply the second coat of **Ultracoat MT 2K** with **Ultracoat Roller T5**. If a three-coat cycle is applied, apply the final coat after at least 2 hours and within 5 hours without buffing. If waiting time exceeds 5 hours, a further buffing will be necessary.
For spray application, dilute with up to 10% of water if required.

CLEANING

Clean tools and remove residues of **Ultracoat MT 2K** with water while the product is still wet. Once hardened, the product may only be removed mechanically.

CONSUMPTION

80-100 ml/m² applied with **Ultracoat Roller** for the first coat; successive coats 50-70 ml/m².

PACKAGING

Kit (A+B) of 4.5 litres + 0.23 litres.

STORAGE

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

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Ultracoat MT 2K component A is not considered dangerous according to current regulation regarding the classification of mixtures.
Ultracoat MT 2K component B is harmful if inhaled, it may damage the respiratory tract and it can cause sensitization if it comes in contact with the skin of subjects sensitive to isocyanates.
During use, wear protective gloves and goggles and take the usual precautions for handling chemicals. If the product comes in contact with the eyes or skin, wash immediately with plenty of clean water and seek medical attention. Wear a face mask to protect the respiratory system.
Ultracoat MT 2K component B is dangerous for aquatic life. Do no dispose of it 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.

TECHNICAL DATA (typical values)		
PRODUCT IDENTITY		
	comp. A	**comp. B**
Consistency:	milky liquid	liquid
Colour:	off-white	transparent
Density of Ultracoat MT 2K Matt (g/cm³):	1.045 ± 0.005	1.120 ± 0.005
Density of Ultracoat MT 2K Seidenmatt (g/cm³):	1.040 ± 0.005	1.120 ± 0.005

Mixing ratio (A:B):	10 : 0.5
Classification according to: **– EMICODE:** **– Sanitair (France):**	EC1 Plus - very low emission A+
APPLICATION DATA (at +23°C and 50% R.H.)	
Viscosity of Ultracoat MT 2K Matt mix:	35 ± 1 sec. (Ø 3 Ford cup)
Viscosity of Ultracoat MT 2K Seidenmatt mix:	35 ± 1 sec. (Ø 3 Ford cup)
Dust dry:	25 mins.
Touch dry:	40 mins.
Maximum permitted dilution ratio (Dir. 2004/42/EC):	10% with clean water
Buffing:	after 12 hours
Re-varnishing (without buffing):	after 2 hours and within 5 hours
Ready for use:	36-48 hours
FINAL PERFORMANCE	
Resistance to abrasion (Taber test CS10, 1000 revs, 1000 g):	35 mg
Gloss (Ultracoat MT 2K Matt):	about 10
Gloss (Ultracoat MT 2K Seidenmatt):	about 30
Classification according to Austrian norm ÖNORM 2354:	C class

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.

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