

Ultracoat HT 2K

Two-Component, Water-Based, Polyurethane Wood-Flooring Finish



DESCRIPTION

Ultracoat® HT 2K is a two-component, water-based wood-flooring finish that is available in the gloss levels of natural, matte, satin and semi-gloss. Suitable for use in interior residential and heavy commercial applications where extreme traffic is expected, *Ultracoat HT 2K* is an aliphatic polyurethane resin system with excellent abrasion resistance for solid, pre-sanded wood floors. *Ultracoat HT 2K* adds a warm color to the wood and is non-yellowing.

FEATURES AND BENEFITS

- Superior resistance to traffic and abrasion
- UV-resistant
- High build with excellent flow properties

WHERE TO USE

- For finishing solid, pre-sanded wooden floors, as well as wood floors requiring repair
- For refinishing resilient flooring, luxury vinyl tile (LVT) and vinyl composition tile (VCT)

LIMITATIONS

- Use *Ultracoat HT 2K* only at temperatures between 50°F and 95°F (10°C and 35°C).
- Do not mix lot numbers of product on the same application area.
- The humidity level in the wood must be in accordance to industry standards.

SUITABLE SUBSTRATES

- Properly sanded wood flooring that is sealed with *Ultracoat* sanding sealers, or existing wood flooring that is prepared using the *Ultracoat ReNewIt* product family
- Resilient flooring that is prepared using the *Ultracoat ReNewIt* product family

Consult MAPEI's Technical Services Department for installation recommendations regarding substrates and conditions not listed.

SURFACE PREPARATION

- Sand the wood floor according to accepted industry practices to obtain a surface that is smooth and free of oil, grease, wax, silicone and old finishes. Thoroughly vacuum off all dust and debris before applying *Ultracoat HT 2K*.
- For resilient flooring, use the *Ultracoat ReNewIt* product family to remove any existing sealers/polishes and to clean and prime the surface.

MIXING

Before product use, take appropriate safety precautions. Refer to the Safety Data Sheet for details.

1. Shake Part A in the container for at least 30 seconds.
2. Add the entire contents of Part B into Part A, reseal and shake vigorously for an additional 30 to 60 seconds to ensure that all components are well mixed. Note: At application temperatures above 85°F (29°C), dilute the product with 10% water to retard the dry time and increase workability.
3. Let the product stand for 5 to 10 minutes.
4. Once mixed, *Ultracoat HT 2K* can only be used for 4 hours after it has been mixed. After 4 hours of standing, *Ultracoat HT 2K* is reduced in its performance properties and cannot be remixed.

Note: To avoid pressure buildup, do not reseal mixture and store. Dispose of any remaining product in accordance with local, state/provincial and federal regulations. Decontaminate the empty Part B bottle before disposal by filling with water, recapping, shaking and then disposing.

PRODUCT APPLICATION

Read all installation instructions thoroughly before installation.

1. Use only clean containers and tools. Do not put leftover mixed quantities of the product back into its original container.
2. For information on multi-coat applications, refer to the *Ultracoat* installation guide found in the Products for Wood Flooring section of MAPEI's Website.
3. Pour a ribbon of *Ultracoat HT 2K* from 4" to 6" (10 to 15 cm) wide directly onto the surface of the wood flooring, parallel with the direction of the wood grain or directly onto the surface of the resilient flooring material.
4. Using a microfiber head on a T-bar applicator, pull the finish in a direction parallel with the wood grain. Maintain a wet edge at all times by holding the applicator at a 45-degree "snow-plow" angle and pulling it to spread the sealer. At the end of each turn, "pad out" the applicator parallel to the wet edge to unload the fill (that is, push out the excess product from the applicator head). Do not leave puddles on the surface after application. Small areas can be reached with a high-quality paintbrush or microfiber trim pad.

CLEANUP

- Tools may be cleaned and floor spills may be removed with water while the product is still fresh. Once hardened, the product must be removed mechanically.

PROTECTION

- The complete curing process of *Ultracoat HT 2K* takes about 7 days, although it might seem hard and dry after 24 hours (75% cured after 1 day, 90% after 3 days). The floor finish may be walked on carefully after 24 hours and opened to heavy traffic after 38 to 48 hours, but it remains susceptible to scuffing or marring until it is completely cured.
- Avoid walking on the surface with hard-soled shoes or any footwear that could bring in abrasive debris from the outdoors during the curing period. Walking in socks only is highly recommended.
- Furniture may be placed onto the floor 3 days after installation (when 90% cured). Do not drag or slide furniture. Do not replace area rugs until the floor has fully cured (after 7 days).
- Use only a dry microfiber mop or cloth for cleaning during the first week.

Product Performance Properties

Laboratory Test	Results
Density	Part A: 1.045 g per mL Part B: 1.08 to 1.12 g per mL
VOCs	< 275 g per L
Solids content	35%
Flash point	> 200°F (93°C)
Coefficient of friction – ANSI A326.3-2017	Wet > 0.47 Dry > 0.8

Shelf Life and Product Characteristics

Shelf life	1 year when stored in original, unopened packaging at 73°F (23°C)
Consistency	Liquid
Color	Part A: Translucent white (dries clear) Part B: Clear
Storage conditions	65°F to 85°F (18°C to 29°C)
Application temperature range	50°F to 95°F (10°C to 35°C)

Protect containers from freezing in transit and storage. Provide for heated storage on site and deliver all materials at least 24 hours before work begins.

Packaging

Gloss Levels	Size
0 (natural)	Kit: 1 U.S. gal. (3.79 L) – Part A: 116.4 U.S. oz. (3.44 L) Part B: 11.6 U.S. oz. (343 mL)
10 (matte)	
30 (satin)	
60 (semi-gloss)	

Approximate Coverage*

Size	Coverage
1 U.S. gal. (3.79 L)	400 to 600 sq. ft. (37.2 to 55.7 m ²)

*Coverage may vary based on application techniques.

ADDITIONAL INFORMATION

Refer to the SDS for specific data related to health and safety as well as product handling.

For information on MAPEI's commitment to sustainability and transparency, as well as how MAPEI products may contribute to green building standards and certification systems, contact sustainability_USA@mapei.com (USA) or sustainability-durabilite@mapei.com (Canada).

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement nor replace requirements per the TDS in effect at the time of the MAPEI product installation. For the most up-to-date TDS and warranty information, please visit our website at www.mapei.com. **ANY ALTERATIONS TO THE WORDING OR REQUIREMENTS CONTAINED IN OR DERIVED FROM THIS TDS SHALL VOID ALL RELATED MAPEI WARRANTIES.**

Before using, the user must determine the suitability of our products for the intended use, and the user alone assumes all risks and liability. **ANY CLAIM SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING TO US WITHIN FIFTEEN (15) DAYS FROM DATE IT WAS, OR REASONABLY SHOULD HAVE BEEN, DISCOVERED.**

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For the most current product data and BEST-BACKEDSM warranty information,
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