

Ultracoat Universal Base

One-Component Sanding Sealer



DESCRIPTION

Ultracoat® Universal Base is a one-component, rapid-drying, water-based sanding sealer for solid, engineered and exotic wood flooring. Specifically designed to work with *Ultracoat* water-based finishes, *Ultracoat Universal Base* seals freshly sanded wood flooring and creates a base layer that isolates the finish coat from penetrating into the open wood surface.

FEATURES AND BENEFITS

- Improves flow and build of finish coats
- Easy to apply and fast-drying
- Non-yellowing and low VOCs

WHERE TO USE

- Preparing solid, pre-sanded wooden floors, as well as wooden floors requiring repair
- Interior residential (homes, apartments and condominiums)
- Interior commercial (office buildings and cafeterias)
- Interior heavy commercial (shopping malls, grocery stores and department stores)
- Interior athletic (schools, fitness centers, recreational facilities and professional sports centers)

LIMITATIONS

- Before installation, test in a small area to ensure bonding when applying over exotic woods or other woods with a high concentration of oils or tannins.
- Use *Ultracoat Universal Base* only at temperatures between 50°F and 95°F (10°C and 35°C).
- Do not apply on exterior surfaces.
- The humidity level in the wood must be in accordance with industry standards.
- *Ultracoat Universal Base* is not a final wear layer and must be covered with an *Ultracoat* wood-floor finish.

SUITABLE SUBSTRATES

- Sanded, solid, engineered and exotic wood flooring

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 from the floor before applying *Ultracoat Universal Base*.

MIXING

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

1. Gently shake *Ultracoat Universal Base* in the container for 1 minute before use and let the product stand for 5 to 10 minutes before applying.
2. At application temperatures greater than 85°F (29°C), dilute the product with 10% water to retard the dry time and increase workability.

PRODUCT APPLICATION

Read all installation instructions thoroughly before installation.

1. Use only clean containers and tools to apply *Ultracoat Universal Base*.
2. Pour a ribbon of *Ultracoat Universal Base* that is 4" to 6" (10 to 15 cm) wide directly on the surface of the wood flooring, parallel with the direction of the wood grain.
3. Using a microfiber head on a T-bar applicator, pull the sealer in a direction parallel with the grain of the wood. 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.
4. Screen the surface using a floor-buffing machine equipped with a maroon pad, or a 180- or 220-grit sanding screen. Remove all dust using a high-performance vacuum. Tack-cloth the vacuumed surface to ensure that all dust and debris have been removed.
5. For athletic applications requiring two coats of sealer, repeat steps #1 to #4.

CLEANUP

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

PROTECTION

- Avoid walking on the surface of the final finished floor with hard-soled shoes or any footwear that could bring in abrasive debris from the outdoors during the curing period. Do not cover with walk-off paper or plastic sheets for at least 3 days after application.

Product Performance Properties

Laboratory Tests	Results
Density	1.03 g per mL
VOC content (SCAQMD Rule 1113)	< 275 g per L
Typical VOC content per SCAQMD Rule 1113 testing methods	111 g per L
Solids content	35%
Flash point	> 200°F (93°C)

Shelf Life and Product Characteristics

Shelf life	1 year when stored in original, unopened packaging at 73°F (23°C)
Consistency	Liquid
Color	Milky white (dries 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

Size
Jug: 1 U.S. gal. (3.79 L)
Jug: 5 U.S. gals. (18.9 L)

Approximate Coverage*

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Size	Coverage
1 U.S. gal. (3.79 L)	400 to 600 sq. ft. (37.2 to 55.7 m ²)
5 U.S. gals. (18.9 L)	2,000 to 3,000 sq. ft. (186 to 279 m ²)

*Coverage may vary based on application techniques.

ADDITIONAL INFORMATION

Refer to the Safety Data Sheet (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).

WARNING

The test results shown in the TECHNICAL DATA table were obtained in compliance with test methods and curing cycles, if applicable, defined in the industry standards referenced on the Technical Data Sheet. Please note that the use of test procedures or methods other than those indicated in the table could lead to different values and that, in such cases, any liability of our company is excluded.

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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