

Ultracoat Aqua Plus

Sawdust Admixture for Crack Filling of Wood Flooring



DESCRIPTION

Ultracoat® Aqua Plus is a single-component binder that is mixed with sawdust produced during the final sanding process of preparing wood floors, and used to fill voids and cracks before the final application of water-based wood-floor finishing systems. *Ultracoat Aqua Plus* has extremely high wetting properties, is low in viscosity and forms a high-solids paste with excellent adhesion and workability. After application, the mixture dries quickly and can be sanded easily. The remaining mixture can be stored in a sealed plastic container.

FEATURES AND BENEFITS

- Accepts finishes like the original wood flooring
- Easy to mix and apply; low in VOCs
- Can be sanded easily and dries quickly

WHERE TO USE

- Filling and 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)

LIMITATIONS

- Do not use *Ultracoat Aqua Plus* if solvent-based coats and varnishes are to be applied.
- Use *Ultracoat Aqua Plus* only at temperatures between 50°F and 95°F (10°C and 35°C).
- Do not use on exterior surfaces.
- The humidity level in the wood must be in accordance to industry standards.

SUITABLE SUBSTRATES

- Properly prepared and sanded solid- and engineered-wood flooring

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

SURFACE PREPARATION

1. 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.
2. Vacuum off all dust and debris.
3. Sand a final time, collecting the sawdust for use with *Ultracoat Aqua Plus*.
4. Vacuum off all remaining dust and debris.

MIXING

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

1. Pour *Ultracoat Aqua Plus* into a clean bucket with the sawdust collected during the final sanding process in a ratio of about 3 to 4 parts binder to 1 part sawdust by volume.
2. Using a low-speed mixer, mix to a smooth, homogenous paste.

Note: The viscosity of the fill mix can be adjusted by adding more or less sawdust, depending on the size of the fill required. For example, large gaps require a heavy mix and small gaps should be filled with a thinner mix.

PRODUCT APPLICATION

Note: Always test the filler in an inconspicuous area to ensure compatibility, especially with wood types high in oils or extracts.

1. Seal the entire surface of the floor by applying the mixture using a flexible stainless-steel or plastic trowel, forcing as much filler into the cracks as possible. Do not leave large residues on the surface after the application process, as these will take a long time to dry and are more difficult to remove through subsequent screening.
2. Allow the mixture to dry completely (for about 1 to 2 hours, depending on the thickness of the application).
3. Screen the surface using a floor-buffing machine equipped with a 120-grit mesh screen and vacuum up all debris.

4. For large defects and cracks, or if the product is applied on small parquet blocks (such as mosaic), a second application of the filler may be required once the first coat has hardened. The second coat of filler may be applied either before or after sanding, depending on the size of the parquet slats or blocks used and the amount of excess material after the first coat.
5. Remove all excess dried filler dust and clean the surface of the floor with a high-quality vacuum.

CLEANUP

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

PROTECTION

- The application of the filler does not create a finished floor surface and should be immediately followed with the application of an *Ultracoat* water-based wood-floor finishing system.

Product Performance Properties

Laboratory Test	Results
Consistency	Liquid
Color	White (dries clear)
Density	1.01 g per mL
VOCs	< 1 g per L
Brookfield viscosity	< 100 cps
Percent solids	7%
Storage conditions	65°F to 85°F (18°C to 29°C)
Flash point	> 200°F (93°C)
Application temperature range	50°F to 95°F (10°C to 35°C)
Shelf life	2 years when stored in original, unopened packaging at 73°F (23°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)

Approximate Coverage*

Size	Coverage
1 U.S. gal. (3.79 L)	600 to 800 sq. ft. (55.7 to 74.3 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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