

Ultrabond ECO 903

Tongue and Groove Glue



DESCRIPTION

Ultrabond ECO® 903 is a high-performance, high-solids, acrylic, latex-based adhesive designed for the bonding of floating wood flooring or for general wood carpentry purposes.

FEATURES AND BENEFITS

- Dries clear
- Solvent-free
- Water-cleanable

INDUSTRY STANDARDS AND APPROVALS

- Living Building Challenge (LBC) Red List Free: This product has been verified per the most current Red List on the LBC's Website.

WHERE TO USE

- Approved for use with floating laminate or wood flooring that requires a tongue-and-groove assembly method
- Interior residential applications (rental apartments, condominiums and homes)
- Interior commercial applications (office buildings, hotel rooms/hallways and restaurant dining areas)

LIMITATIONS

- Do not install over substrates containing asbestos.
- For interior installations only
- Not recommended for flooring designed for nail-down installations only
- Not recommended for bamboo or solid wood flooring
- Install flooring only in areas recommended by the flooring manufacturer.
- Use only when the substrate temperature is between 50°F and 90°F (10°C and 32°C), and when the ambient relative humidity is between 20% and 80%.

SUITABLE SUBSTRATES

- Tongue and groove joinery for engineered wood and laminate flooring

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

SURFACE PREPARATION

- All substrates must be structurally sound, dry, solid and stable.
- The substrate should be clean and free of dust, dirt, oil, grease, paint, curing agents, concrete sealers, loosely bonded toppings, loose particles, and any other substance or condition that may prevent or reduce adhesion.

See the "Surface preparation requirements" reference guide in the Floor Covering Installation Systems section of MAPEI's Website.

MIXING

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

- Ready to use; no mixing is necessary.

PRODUCT APPLICATION

Read all installation instructions thoroughly before installation.

1. Carefully read the flooring manufacturer's installation guidelines before using *Ultrabond ECO 903*.
2. Apply a small bead on the outside edge of the tongue or the bottom lip of the groove per the manufacturer's recommendations.
3. Insert tongue into groove and tap together as necessary to ensure a tight bond line with no gaps.

CLEANUP

- Immediately use water to clean adhesive smudges from the flooring surface while the adhesive is fresh/wet. Dried adhesive residue will be difficult to remove once dry. Mechanical scraping or mineral spirits can be used once the adhesive has dried.
- Clean tools with soap and water while the adhesive is still fresh/wet. Use mineral spirits once it has dried.

PROTECTION

- Protect the finished installation from light traffic for at least 12 hours and from heavy traffic for at least 24 hours.
- Building owners should become aware of the flooring manufacturer's guidelines for climate-control settings (temperature and humidity). These conditions must be monitored and kept constant to ensure the overall performance and long-term success of the installation.

Product Performance Properties

Laboratory Tests	Results
Solids content	45% to 50%
VOCs (Section 01350 of California's CDPH)	Passed
VOCs (Rule #1168 of California's SCAQMD)	< 10 g per L
Density	8.5 lbs. per U.S. gal. (1.02 g per mL)
Flash point (Tag)	> 212°F (100°C)

Shelf Life and Product Characteristics

Shelf life	2 years when stored in original, unopened packaging at 73°F (23°F)
Consistency	Viscous liquid
Color	White when wet; clear when dry
Storage conditions	50°F to 90°F (10°C to 32°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

Bottle: 16 U.S. oz. (473 mL)

Approximate Coverage*

per 16 U.S. oz. (473 mL)

Size	Coverage
1/8" (3 mm) diameter bead	300 to 400 linear feet (91.4 to 122 m)

**Trowel dimensions are depth/width/space. Coverage shown is for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions, type of trowel used and setting practices.*

RELATED DOCUMENTS

Reference guide: "Surface preparation requirements" for floor-covering installation systems**

**At www.mapei.com

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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Edition Date: October 25, 2023 MK 3000159 (22-3280)

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