

Ultrabond ECO 904

Stair-Nose Adhesive



DESCRIPTION

Ultrabond ECO[®] 904 is a proprietary adhesive formulation designed to bond stair nosing on common wood and concrete substrates. Once cured, *Ultrabond ECO* 904 provides a secure and rigid bond for wood, laminate and rigid PVC stair-nosing materials.

FEATURES AND BENEFITS

- Strong bond to stair nosings and transitions
- Bonds wood, PVC and laminate trim pieces
- Water-based formulation

WHERE TO USE

- For the bonding of wood, laminate and rigid PVC stair nosing to wood and concrete substrates

LIMITATIONS

- For interior use only
- Do not install over any substrates containing asbestos.
- Do not apply over any adhesive residues, including cutback adhesive.

- Use only when the substrate temperature is between 50°F and 90°F (10°C and 32°C).

SUITABLE SUBSTRATES

- Exterior-grade plywood and other approved wood underlayments (per the flooring manufacturer's recommendations)
- Concrete and cement terrazzo
- Cement-based self-leveling underlayments and patching compounds
- Properly primed gypsum underlayments that meet the requirements for compressive strength per ASTM F2419

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.
- Substrate should be clean and free of dust, dirt, oil, grease, curing agents, concrete sealers, loosely bonded toppings, loose particles, old adhesive residues, and any other substance or condition that may prevent or reduce adhesion.
- Concrete and cement-based underlayments and patches must be fully cured and free of any hydrostatic and/or moisture problems.

MIXING

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

- Ready to use, with no mixing necessary

PRODUCT APPLICATION

Read all installation instructions thoroughly before installation.

1. Insert the product cartridge into a suitable caulking gun, cut the tip and puncture the inner seal.
2. Apply a serpentine bead of *Ultrabond ECO 904* measuring 1/4" (6 mm) in diameter to the underside of the stair nose and place a similar bead along the inside front edge.
3. Press the stair nose into position and press it firmly into place. Use mechanical fasteners per the stair-nose manufacturer's guidelines.
4. Protect the installation from traffic: 8 hours for light traffic and 24 hours for full use.

CLEANUP

- Immediately use a clean, damp, white cotton cloth or microfiber towel to clean up any excess *Ultrabond ECO 904* while the adhesive is still fresh/wet. Dried residue will need to be removed by razor scraping or sanding.

Product Performance Properties

Laboratory Tests	Results
Solids content	65% to 70%
Service temperature	50°F to 90°F (10°C to 32°C)
Density	9.26 lbs. per U.S. gal. (1.11 g per mL)
Flash point (Tag)	> 200°F (93°C)
VOC content (SCAQMD Rule 1168)	< 50 g per L
Typical VOC content per SCAQMD Rule 1168 testing methods	16 g per L

Shelf Life and Product Characteristics

before mixing

Shelf life	1 year when stored in original, unopened packaging at 73°F (23°C)
Polymer type	Latex polymer
Consistency	Smooth paste
Color	White
Storage conditions	50°F to 90°F (10°C to 32°C)

Application Properties

at 73°F (23°C) and 50% relative humidity

Open time	30 minutes
Curing time	Light traffic after 8 hours; full use after 24 hours

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
Cartridge: 10.5 U.S. oz. (311 mL)

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.**

CONTACT INFORMATION

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