

# 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 & 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
Polymer type	Latex polymer
Solids content	65% to 70%
VOCs (Rule #1168 of California's SCAQMD)	< 50 g per L

VOCs (Section 01350 of California's CDPH)	Passed
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)

### Shelf Life and Product Characteristics

before mixing

Shelf life	1 year when stored in original, unopened packaging at 73°F (23°C)
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)
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## 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](mailto:sustainability_USA@mapei.com) (USA) or [sustainability-durabilite@mapei.com](mailto:sustainability-durabilite@mapei.com) (Canada).

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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-BACKED<sup>SM</sup> warranty information,  
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