

eco2 DEEP PATCH ADDITIVE™

PRODUCT DESCRIPTION

ECO2 DEEP PATCH ADDITIVE™ is a high-performance acrylic latex additive used exclusively with ECO2 DEEP PATCH™ to create a high-performance patching system. The product can also be used as a primer over plywood and porous concrete surfaces.

Green Features

- **Solvent-free acrylic latex**
- **Low odor, low VOC**
- **Contributes to LEED® and WELL® objectives and requirements**

Performance Features

- Mix with ECO2 DEEP PATCH to create a high-performance patching compound used to patch, level and fill cracks, depressions, voids and holes in substrates up to 1" (25 mm) deep
- **Multipurpose:** Use to prime porous concrete surfaces and plywood prior to the application of the patching compound
- Performance exceeds requirements for interior institutional, commercial and residential applications when used with ECO2 DEEP PATCH as a patching compound

Packaging

5 US gal (18.9 L) pail

Suitable Substrates (when used as a primer)

- Dry, cured concrete (28 days old). For concrete substrates less than 28 days old, please contact technical service
- Cement backer units (CBU)
- Cementitious screeds, rendering, leveling coats and mortar beds
- Exterior Grade Douglas Fir Plywood, certified CANPLY (SELECT) or (SEL-TF) CSA 121, for INTERIOR Residential Floors in dry areas only

NOTES: Refer to the ECO2 DEEP PATCH technical data sheet for "Suitable Substrates" when used as part of a patching system.

Perform a bond test over questionable substrates to ensure compatibility and performance. It is the applicators responsibility to determine use.

Limitations

- For INTERIOR installations only.
- Do not use at temperatures below 50°F (10°C) or above 95°F (35°C)
- Do not use where hydrostatic pressure or humidity problems exist
- Do not apply directly over particleboard, chipboard, presswood, Luan, masonite, OSB, or other dimensionally unstable materials
- Do not use a primer directly over polished concrete, steel, existing hard and soft flooring such as porcelain tile, vinyl sheet goods, linoleum, terrazzo, etc.; instead, use ECO2 PRIMER™ (see technical data sheet for details).
- Do not use as a primer over cutback and adhesive residues; instead, use ECO2 PRIMER™ (see technical data sheet for details)
- Do not use this product as a floor-finishing primer or surface sealer or without covering it with a floor covering

NOTE: Refer to the ECO2 DEEP PATCH technical data sheet for "Limitations" when used as part of a patching system.

TECHNICAL DATA

Applicable Standards

For Additional Information, please refer to the most recent TCNA handbook for ceramic tile installation or the TTMAC Specification Guide 09 30 00 Tile Installation Manual, or visit our website at www.eco2level.com.

WORKING PROPERTIES (@73°F [23°C] and 50% RH)	
Drying time	> 1-3 hours

PHYSICAL PROPERTIES (@73°F [23°C] and 50% RH)	
Product color when wet	Light Green
Product color when dry	Clear
VOC content	< 3 g/L
pH of latex	8.0
Latex density	1.0 g/mL
Approximate coverage	
As an additive for ECO2 DEEP PATCH:	Refer to ECO2 DEEP PATCH technical data sheet
As a Primer:	Refer to "PRIMER DILUTION REFERENCE CHART"
Shelf life	
12 months if kept in its original unopened packaging and stored in a dry location. Protect from freezing.	

INSTALLATION

Surface Preparation

- All supporting surfaces must be structurally sound, solid and stable.
- Surfaces must be clean and free of dust, oil, grease, paint, tar, wax, curing agent, primer, sealer, form release agent or any deleterious substance and debris which may prevent or reduce adhesion.
- Acids, concentrated alkaline conditions and cleaning chemical residues must be neutralized or removed.
- All concrete substrates must be solid, sound, slightly textured and have a direct tensile cohesive strength greater than 175 psi (1.2 MPa) when tested in accordance with ACI 503 R - (Appendix A) procedure.
- On grade or below grade concrete slabs must be installed over an effective vapor barrier.
- All concrete substrates must be dry and free of hydrostatic conditions and/or extreme moisture problems. Do not prime, repair, level or patch the substrate, or install any floor covering materials until moisture problems and conditions have been addressed to meet finished flooring manufactures requirements. Please contact our Technical Service Department for appropriate recommendations.
- Smooth concrete substrate surfaces must be PRIMED with ECO2 PRIMER™ OR mechanically roughened in accordance with an engineer-approved procedure (shot-blasting, scarification, grinding, sand or waterblasting, etc) to provide sufficient surface texture and profile for adequate bonding of ECO2 DEEP PATCH (refer to the ECO2 PRIMER™ technical data sheet for full details).
- Existing concrete slabs with major old cutback adhesive or carpet adhesive residues must be properly scraped, roughened and cleaned. **Note:** Scrape off as much as possible of the old cutback adhesive.
- Do not use sweeping compounds.

Mixing and Application

Refer to the ECO2 DEEP PATCH technical data sheet for "Mixing" and "Application" when used as part of a patching system.

Application as a Primer

1. Use clean mixing tools and containers.
2. Stir ECO2 DEEP PATCH ADDITIVE thoroughly before use.
3. Dilute according to the reference chart in the next column.
4. Use a low-speed mixer (about 300 rpm) for stirring and mixing.
5. Apply ECO2 DEEP PATCH ADDITIVE mixture with a push broom, thick nap paint roller, or sprayer, and work it into the substrate.
6. Let dry until it becomes transparent and tacky.

PRIMER DILUTION REFERENCE CHART

SUBSTRATE	DILUTION ECO2 DEEP PATCH ADDITIVE™ : Water	COVERAGE*
Porous Concrete	1 : 1	1,000-2,000 ft² (90-185 m²)
Cement backer units (CBU),	1 : 1	1,000-2,000 ft² (90-185 m²)
Cementitious screeds, rendering, leveling coats and mortar beds	1 : 1	1,000-2,000 ft² (90-185 m²)
Plywood	Undiluted	500-1,000 ft² (45-90 m²)

*Approximate coverage per 5 US gal (18.9 L) bottle.

Cleaning

Clean tools and hands with water while the product is still fresh.

Health and Safety

Refer to the Safety Data Sheet (SDS) for complete details.

AVAILABILITY AND COST

Contact ECO2™ for availability and cost.

WARRANTY

ECO2™ warrants that this product is manufactured using quality raw materials and is of merchantable quality and suitable for the purpose for which it was intended. ECO2™ liability under this warranty shall be limited to the replacement of its product proven to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising from the use of/or the inability to use this product.

FILING SYSTEM

Additional information is available upon request, or by visiting www.eco2level.com.

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