

eco2 PRIMER™



PRODUCT DESCRIPTION

ECO2 PRIMER™ is a universal, premium-quality, highly-concentrated, solvent-free acrylic primer used for priming nearly any surface for ECO2™ products without the need for scarifying or shotblasting.

Green Features

- **LEED v4 Health Product Declaration v2.1**
- **Meets California Department of Public Health CDPH/EHLB/Standard Method Version 1.2, 2017 (Emission testing method for CA Specification 01350)**
- **Contribute to LEED® and WELL® objectives and requirements**

Performance Features

- Use to create tenacious bonds to nearly any substrate
- Use in place of shot-blasting and scarifying, saving valuable time and money
- Use to prime substrate for increased adhesion with self-leveling underlayments, toppings and setting materials
- Apply easily with a push broom
- Primer is colored when dry for easy detection on the surface to help ensure full coverage
- Reduce substrate porosity
- For interior institutional, commercial and residential applications



Packaging

5 US gal (18.9 L) pail

Suitable Substrates

NOTE: Prime all substrates with ECO2 PRIMER™ prior to application (refer to technical data sheet for complete details).

- Dry, completely cured concrete (at least 28 days old). For concrete substrates less than 28-days, please contact technical service
- Cement backer units (CBU)
- Gypsum and light-weight concrete surfaces*
- Existing ceramic and quarry tiles, porcelain, granite and marble
- Cementitious and Epoxy Terrazzo floors
- Exterior Grade Douglas Fir Plywood, certified CANPLY (SELECT) or (SEL-TF) CSA 121, for INTERIOR Residential Light-Duty Floors in dry areas only
- Approved OSB
- Metal such as steel, copper, stainless steel, aluminum or lead
- Old cut-back adhesive residue and water-soluble adhesive residues
- Existing VAT and VCT tiles, and non-cushioned vinyl sheet goods
- Homogeneous PVC flooring
- Resin-based floor coverings (epoxy, urethane or polyurethane)

** 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 apply directly over particleboard, chipboard, presswood, Luan, masonite and similar dimensionally unstable materials.
- Do not use over cushion-backed sheet vinyl floor covering.
- Do not use in places subject to immersion.
- Do not use where excessive moisture/hydrostatic conditions, and/or recurring moisture problems exist.
- Do not use this product as a floor finishing primer or surface sealer or without covering it over with a floor covering materials

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 to 3 hours approximately
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PHYSICAL PROPERTIES (@73°F [23°C] and 50% RH)

VOC content	< 10 g/L
pH of latex	7.6
Latex density	1.05 g/mL
Product color when wet (1 : 1 : 1)	Green
Product color when dry (1 : 1 : 1)	Forest Green
Approximate coverage	See Dilution Reference Chart
Shelf life	
24 months if kept in its original unopened packaging and stored in a warm, 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 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 these requirements. Please contact our Technical Service Department for appropriate recommendations.

Mixing and Application

1. Use clean mixing-tools and containers.
2. Stir ECO2 PRIMER™ thoroughly before use.
3. Dilute according to reference chart below.
4. Use a low-speed mixer (between 150-300 rpm) for stirring and mixing.
5. Apply ECO2 PRIMER™ or slurry to the substrate with a soft-bristled push broom. A pump sprayer can be used when applying ECO2 PRIMER™ with water only.
6. Let ECO2 PRIMER™ or slurry dry for approximately 1-3 hours prior to the application of self-leveling underlayment or repair mortar.
7. Apply second coat (OPTIONAL, if required).
8. Clean tools and hands with water while product is still fresh.

DILUTION REFERENCE CHART

SUBSTRATE	DILUTION ECO2 PRIMER™ : Water : Powder*	COVERAGE***
Smooth Concrete	1 : 1 : 1*	1,500 ft² (139 m²)
Wood Substrates, Vinyl Sheet Goods	1 : 1 : 1*	875 ft² (81 m²)
VCT, VAT, Homogeneous PVC, cutback and adhesive residues	1 : 1 : 1*	1,125 ft² (105 m²)
Ceramic and Quarry Tile, Marble, Granite, Metal Surfaces, Painted Surfaces	1 : 1 : 1*	1,650 ft² (153 m²)
Brushed Concrete, Light-Weight Concrete, Gypsum Surfaces	1 : 3**	1,500 ft² (139 m²)
Highly Porous Surfaces (2 coats)	1st Coat 2nd Coat 1 : 5** + 1 : 3**	1st Coat: 1,575 ft² (146 m²) 2nd Coat: 1,650 ft² (153 m²)

* Mixed with ECO2™ powder.

** No powder required.

*** Approximate coverage per 5 gal of ECO2 PRIMER™ : 5 gal of WATER : 5 gal of ECO2™ powder (by volume), depending upon dilution ratio used.

Expansion and Control Joints

- Install control joints where tiles abut restraining surfaces, around the perimeter of the work and at the base of columns and curbs.
- Install and space expansion and control joints in all directions in accordance with TCNA HANDBOOK FOR CERAMIC TILE INSTALLATION Detail #EJ-171 recommendations, or TTMAC Specification Guide 09 30 00 Detail #301-MJ recommendations.
CAUTION: DO NOT cut EXPANSION JOINTS in after the tiles have been installed. Install tiles normally and stop when the control joint location is reached. Cut the tile if required and resume setting from the opposite side of the joint. Before proceeding further, rake the joint and leave the tile and joint space clean.
- DO NOT FILL EXPANSION JOINT SPACE UNTIL GROUTING IS COMPLETED on the remainder of the job.
- Install a suitable industry-approved compressible bead and flexible sealant to caulk expansion and control joints. Follow the sealant manufacturer's installation instructions.

Drying Time

- Allow ECO2 PRIMER™ to dry and harden completely before installing ECO2™ products. Generally, ECO2 PRIMER™ dries in about 1-3 hours (@ 73°F [23°C] and 50% RH); however the drying time may vary according to the prevailing room and substrate temperature and humidity conditions at time of application.

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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