



Jaw-Dropping Adhesion

For Quick & Easy Repairs

PATCH & REPAIR KIT | ECODUR ROOF COATING

Maximum Adhesion, Maximum Durability, And Maximum Convenience

Ecodur roof coating is VOC-free, BPA-free, odorless, bleed blocking, super-adhesive, waterproof, sustainable, and fast-curing.



UNPARALLELED PERFORMANCE

- Cost-effective—Perfect for repairs.
- Up to triple the adhesion compared to other roof coatings.
- Lifetime reparability for easy maintenance.
- Resists impact from debris and hailstorms.
- Lifetime flexibility to manage temperature extremes.
- Simple brush or roller application.
- Portable and easy to mix.

To order, contact us at:
1-888-388-2935



ECODUR 201 ROOF COATING TECHNICAL SHEET

PRODUCT OVERVIEW

Ecodur 201 is a white, primerless roof coating that can be used as a stand-alone or with a variety of topcoats for aesthetics. Due to superior bonding ability, it can be applied without pressure washing in most instances, while achieving a better bond than most primers, and superior bleed blocking.

INTENDED USAGE

Use Ecodur 201 as a roof coating on a variety of substrates, including: acrylic, cementitious, metal, mineral cap, BUR, asphalt, concrete, single ply (TPO, PVC, CSPE, EPDM), and more.

PHYSICAL PROPERTIES AND PERFORMANCE CHARACTERISTICS

DURABILITY - ASTM C627: 16,000 passes of an average sized car. No debonding or deterioration

ESTIMATED TENSILE STRENGTH - ASTM D412: 900 PSI (6MPa)

PULL-OFF STRENGTH FROM STEEL - ASTM D4541: 1000 PSI with 95-100% cohesive

ESTIMATED ELONGATION - ASTM D412: 50-100%

HEAT RESISTANCE - CONTINUOUS: 212F / 100C

MINIMUM SERVICE TEMPERATURE:
- 20 to - 40 F / - 30 to - 40 C

WATER ABSORPTION - ASTM D570:
0.3% - 30 g/m² @ 185F / 85C for 30 days.

PERM RATING - ASTM D1653: USA PERM rating of 5 PERMS for 0.030 to 0.050 inches thickness (30-50 mils)

UN-CURED PRODUCT PROPERTIES

MIX RATIO BY WEIGHT: 83 parts catalyst (part A) 17 parts resin (part B)

MIX RATIO BY VOLUME: 4.25:1 A:B (volume measurements are subject to variations during mixing and stirring that may entrain air)

POT LIFE: Less than 45 minutes

CURE TIME: 12 hours to top coat. 24 to 36 hours to full cure

RECOAT WINDOW: Endless. Ecodur 201 will always re-bond to itself.

SOLIDS: 100% solids, solvent free, VOC free

COMPONENTS: Part A: castor oil, hydrated gypsum
Part B: Polymeric (MDI)

FINISHED PRODUCT CHARACTERISTICS

ODOR: Mild, pleasant vegetable oil and gypsum odor prior to curing - disappates completely upon full cure.

FIRE PERFORMANCE: When tested in a accordance with CAN/ULC S102-M88 standard method of test for surface burning characteristics of building materials and assemblies, the flame spread classification is "1" or "A" with a flame spread value of 15 for the product used as a deck coating. For reference, untreated Red Oak is a combustible material that has a flame spread classification of 100 and inorganic reinforced cement board is a non-combustible material that has a flame spread classification of 0.

WATER RESISTANCE: High resistance to water, sea water, hot or cold.

SOLVENT RESISTANCE: High resistance to most petro-chemical solvents with few exceptions. Refer to chemical compatibility charts.

UV RESISTANCE: UV causes the material to discolor after prolonged exposure. No substantial degradation of coating has been found on 25 year field samples or 1500 hour weatherometer tested samples. For aesthetics or cooling, optional topcoats may be applied.

ADHESION: Bonds to steel, concrete, itself, wood, asphalt, tar, paints, most single-ply membranes, etc.

PULL-TESTING (BEFORE APPLICATION): For best results, conduct a pull test (Tietex T272 or 325) to test the surface and to ensure no contaminants are present before application.

STANDARD APPLICATION: Follow all mixing instructions. For detailed video mixing instructions, visit [youtube.com/castagra](https://www.youtube.com/castagra)

THICKENING: When thicker product is desired for crack filling or building up, use any pre-approved thickener to achieve the thickness desired. Thickeners include: crushed walnut shell, fumed silica, crushed polyethylene, and powered polystyrene.

STORAGE: Do not allow product to freeze. Store in a cool, dry place. Lay flat to store.

SHELF LIFE: Unopened bags have an undetermined shelf life. It is recommended to use all product within 1 year.