

# EUCOPATCH

## ONE-PART PATCHING AND REPAIR MATERIAL

### DESCRIPTION

**EUCOPATCH** is a one part, fast setting, patching and repair material for use on new and existing concrete and masonry surfaces. This product is designed for patching or reconstruction of damaged vertical and overhead concrete and masonry structures, both interior and exterior. The light color of EUCOPATCH closely resembles aged, sun-bleached concrete.

### PRIMARY APPLICATIONS

- Walls
- Pavements
- Curbs and gutters
- Precast panels
- Columns
- Masonry units

### FEATURES/BENEFITS

- Fast setting for rapid repairs up to 4" (10 cm)
- Easy to use as a prepackaged kit
- Excellent resistance to freeze/thaw cycling and de-icing salts
- Suitable for both interior and exterior applications
- Excellent bond to sound concrete
- High compressive strengths
- Compatible with galvanic anodes

### TECHNICAL INFORMATION

**Typical Engineering Data** The following results were developed under laboratory conditions using 0.7 gal /50 lb bag. (2.65 L/22.7 kg)

**Set Times** 70°F (21°C) ASTM C 266

Initial set ..... 15 min

Final set ..... 30 min

**Bond Strength** ASTM C 1042

28 days ..... 1,400 psi (10 MPa)

**Compressive Strength** ASTM C 109 2" (50 mm) cubes  
**Age** **Strength**

1 day ..... 2,000 psi (14 MPa)

3 days ..... 3,500 psi (24 MPa)

7 days ..... 4,500 psi (31 MPa)

28 days ..... 5,500 psi (38 MPa)

**Volumetric Resistivity** ..... 3,270 ohm/cm

**Appearance:** EUCOPATCH is a free flowing powder designed to be mixed with water. After mixing and placing, the color may initially appear darker than the surrounding concrete. This color will lighten up substantially as the EUCOPATCH cures and dries out with the repair area very closely matching the surrounding concrete.

### PACKAGING/YIELD

EUCOPATCH is packaged in 50 lb (22.7 kg) bags which yield 0.44ft<sup>3</sup> (0.013m<sup>3</sup>) when mixed with 0.7 to 0.75 gal (2.65 to 2.81L) of water. EUCOPATCH is also available in 60 lb (27.2 kg) pails which yield 0.56ft<sup>3</sup> (0.016m<sup>3</sup>) when mixed with .84 to .90 gal (3.2 to 3.4 L) of water.

### SHELF LIFE

2 years in original, unopened package.

### COVERAGE

One 50 lb (22.7 kg) unit of EUCOPATCH will cover approximately 11.3 ft<sup>2</sup> (1.05 m<sup>2</sup>) when placed at an average depth of 1/2" (13 mm). One 60 lb (27.2 kg) unit of EUCOPATCH will cover approximately 13.6 ft<sup>2</sup> (1.26 m<sup>2</sup>) when placed at an average depth of 1/2" (13 mm).



**The Euclid Chemical Company**

19218 Redwood Rd. • Cleveland, OH 44110

Phone: [216] 531-9222 • Toll-free: [800] 321-7628 • Fax: [216] 531-9596

www.euclidchemical.com

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## DIRECTIONS FOR USE

**Surface Preparation:** Concrete surfaces must be structurally sound, free of loose or deteriorated concrete and free of dust, dirt, paint, efflorescence, oil and all other contaminants. Mechanically abrade the surface to achieve a surface profile equal to CSP 5 - 7 in accordance with ICRI Guideline 310.2. Properly clean profiled area. **Priming:** Clean and prime exposed steel with DURALPREP AC. Concrete should be primed with a spray or brush coat of DURALPREP AC. Alternately, a Saturated Surface Dry (SSD) concrete surface can be primed with a scrub coat of EUCOPATCH. The repair must be made before the scrub coat dries out.

**Mixing:** Single bags may be mixed with a drill and “jiffy” mixer. Use a paddle type mortar mixer for large jobs. All materials should be in the proper temperature range of 60°F to 90°F (16°C to 32°C). Add the appropriate amount of water for the batch size and then add the dry product. For a stronger bond, substitute one quart (.95 L) of FLEX-CON latex additive in place of the 1 quart (.95 L) of water used in making the EUCOPATCH bond coat. Mix for 2 to 3 minutes. The mixed product should be quickly transported to the repair area and placed immediately.

**Placement:** Place EUCOPATCH onto the prepared concrete or masonry surface. Float or trowel flush with adjacent surface and allow to stiffen. Finish to match the surrounding surfaces. Place EUCOPATCH while the bond coat is still wet.

**Finishing:** Finish the repair material to the desired texture. Do not add additional water to the surface during the finishing operation. Use EUCOBAR finishing aid.

**Curing and Sealing:** Proper curing procedures are important to ensure the durability and quality of the repair. To prevent surface cracking, cure the material with a high solids curing compound, such as SUPER AQUA-CURE VOX or SUPER REZ-SEAL. If FLEX-CON is added to EUCOPATCH, cure with a water-based curing compound such as SUPER AQUA-CURE VOX. Allow the curing compound to dry. In hot, windy or direct sunlight situations, apply a second coat of curing compound. If a curing compound is not desired, wet cure for a minimum of three days.

## CLEAN-UP

Clean tools and equipment with water before the material hardens.

## PRECAUTIONS/LIMITATIONS

- Only mix as much material as can be used in 10 minutes.
- Do not use for a topping or overlay.
- Keep partially used buckets closed between use.
- For structural repairs of vertical and overhead surfaces, use VERTICOAT SUPREME.
- Do not use material at temperatures below 45°F (7°C).
- Keep repair from freezing until a minimum strength of 1000 psi (7 MPa) is reached.
- Store product in a dry place.
- For high strength repairs of floors and pavements, use THIN-TOP SUPREME or CONCRETE-TOP SUPREME.
- In all cases, consult the Material Safety Data Sheet before use.

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