



# EUCOPATCH

**SINGLE-COMPONENT, RAPID-SETTING REPAIR MATERIAL**

**EUCLID CHEMICAL**

VERTICAL REPAIR

## DESCRIPTION

**EUCOPATCH** is a single-component, rapid-setting, repair mortar for use on new and existing concrete and masonry surfaces. This product is designed for the reconstruction of damaged vertical and overhead concrete and masonry structures, both interior and exterior. EUCOPATCH can also be used in light-duty, pedestrian, horizontal applications. The light color of EUCOPATCH closely resembles aged, sun-bleached concrete.

## PRIMARY APPLICATIONS

- Walls
- Curbs and gutters
- Precast panels
- Columns
- Overhead patching
- Masonry units

## FEATURES / BENEFITS

- Rapid-setting for repairs up to 10 cm applications
- High compressive strength
- Excellent resistance to freeze-thaw cycles and de-icing salts
- Suitable for both interior and exterior
- Light gray colour blends well with aged concrete
- Compatible with galvanic anodes

## TECHNICAL INFORMATION

**Typical Engineering Data** The following results were developed under laboratory conditions using 2.65 L/22.7

kg/bag

**Set Times** 21°C ASTM C 266

Initial set .....8 min

Final set.....20 min

**Compressive Strength** ASTM C 109 50 mm cubes

**Age** **Strength**

1 day.....14 MPa

7 days.....31 MPa

28 days.....38 MPa

56 days.....45 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 colour may initially appear darker than the surrounding concrete. This color will lighten up substantially as the EUCOPATCH cures, resulting in the repair area very closely matching the surrounding concrete.

## PACKAGING

EUCOPATCH is packaged in 25kg bags which yield 14L when mixed with 2.9 to 3.1L of water.

## SHELF LIFE

2 years in original, unopened package.

## COVERAGE

One 25kg unit of EUCOPATCH will cover approximately 1.15m<sup>2</sup> when placed at an average depth of 13 mm.

EUCOPATCH

MASTER FORMAT #: 09 99 09

## DIRECTIONS FOR USE

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**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 minimum surface profile of 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. The DURALPREP AC primer coating must be allowed to fully dry prior to the placement of EUCOPATCH. 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 16°C to 32°C. Add the appropriate amount of water for the batch size and then add the dry product. The mixed product should be quickly transported to the repair area and placed immediately.

**Placement:** Place EUCOPATCH onto the prepared concrete or masonry surface at a minimum depth of at least 1.6mm. Float or trowel flush with adjacent surface and allow to set. Finish to match the surrounding surfaces. Place EUCOPATCH while the scrub 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 EU COBAR evaporation retarder.

**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. 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

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Clean tools and equipment with water before the material hardens.

## PRECAUTIONS / LIMITATIONS

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- Only mix as much material that can be used in 10 minutes.
- Do not use for a topping or overlay.
- For structural repairs of vertical and overhead surfaces, use VERTICOAT SUPREME or TAMMS STRUCTURAL MORTAR.
- Do not use material at temperatures below 7°C.
- Keep repair from freezing until a minimum strength of 7 MPa is reached.
- Store product in a dry place.
- In all cases, consult the Safety Data Sheet before use.

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