



THE EUCLID CHEMICAL COMPANY

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EUCOPATCH

ONE-PART PATCHING AND REPAIR MATERIAL

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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 concrete or masonry; interior or exterior. Spalled or honeycombed walls, columns and foundations; cracked or broken stucco or masonry; precast concrete members, curbs, gutters and pavements may be repaired with EUCOPATCH.

PRIMARY APPLICATIONS

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

FEATURES / BENEFITS

- One component material, ready to use with only the addition of water
- Fast setting with no added chlorides or corrosive accelerators
- Designed for patches from 1/16" (1.5 mm) to 6" (150 mm) in depth
- Easy to use mortar which saves time, labor and excessive forming
- Color is similar to plain concrete

PACKAGING / YIELD

EUCOPATCH is packaged in 50 lb (22.7 kg) bags which yield 0.43ft³ (0.01m³) when mixed with 0.9 to 0.95 gal (3.4-3.6 liter) of water. EUCOPATCH is also available in 60 lb (27.2 kg) pails which yield 0.54ft³ (0.015m³) when mixed with 1.10 to 1.15 gal (4.2-4.4 liter) of water.

TECHNICAL INFORMATION

Typical Engineering Data

The following results were developed under laboratory conditions.

Set Times 70°F (21°C), ASTM C-266

Initial Set 10 min.
Final Set 25 min.

Compressive Strength

ASTM C-109 2" (50 mm) cubes

<u>Age</u>	<u>Strength</u>
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)

Bond Strength ASTM C-1042

28 days	1,400 psi (10 MPa)
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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.

This product is designed for finishing similar to concrete.

Shelf life is 2 years in original, unopened package.

COVERAGE

One 50 lb (22.7 kg) unit of EUCOPATCH will cover approximately 10.3 ft² (1 m²) when placed at an average depth of 1/2" (13 mm).

One 60 lb (27.2 kg) unit of EUCOPATCH will cover approximately 13 ft² (1.2 m²) when placed at an average depth of 1/2" (13 mm).

NOTE: THIS PRODUCT REQUIRES A CURING COMPOUND. CONSULT THE CURING INFORMATION.

DIRECTIONS FOR USE

Surface Preparation-New concrete must be a minimum of 3 days old. The concrete must be clean and rough. All oil, dirt, debris, paint and unsound concrete must be removed. The surface must be prepared mechanically using the proper equipment which will give a surface profile of a minimum 1/8" (3 mm) and expose the coarse aggregate of the concrete. The final step in cleaning should be the complete removal of all residue.

All concrete must possess an open surface texture with all curing compounds and sealers removed.

Bonding-After the surface has been prepared, prime all areas with a bond coat of either EUCOPATCH, or other suitable bonding agent. Place the topping on the bond coat before it dries and cures.

Bond Coat-Mix EUCOPATCH as instructed but add an additional one quart (.95 liter) of water per unit. Brush the bond coat onto the prepared and predampened concrete. Apply the EUCOPATCH repair mortar before the bond coat has dried. For a stronger bond substitute one quart (.95 liter) of FLEX-CON latex additive in place of the one quart (.95 liter) of water used in making the EUCOPATCH bond coat.

Mixing-Small quantities 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-90°F (16°C-32°C). Add the appropriate amount of water for the batch size and then add the dry product. Mix for 2-3 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. Clean tools immediately after use with water.

Finishing-Finish the repair material to the desired texture. Do not add additional water to the surface during the finishing operation. If additional liquid is required, 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 floor with a high solids curing compound, such as SUPER AQUA-CURE VOX, SUPER REZ-SEAL or SUPER FLOOR COAT. 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 10-20 minutes.
- Do not use for a topping or overlay.
- Keep partially used buckets closed with lids between use.
- For structural repairs of vertical and overhead surfaces, use VERTICOAT SUPREME.
- For high strength repairs of floors and pavements, use THIN-TOP SUPREME or CONCRETE-TOP 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.

Form Eucopatch-6.97

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