



EUCOPATCH 20

SINGLE-COMPONENT, POLYMER MODIFIED, CEMENTITIOUS REPAIR MORTAR

DESCRIPTION

EUCOPATCH 20 is a single-component, polymer modified 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 20** can also be used in light-duty, pedestrian, horizontal applications.

PRIMARY APPLICATIONS

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

FEATURES/BENEFITS

- Fast and easy to apply in layers up to 20mm thick
- High compressive strength
- Compatible with the thermal expansion properties of concrete
- Suitable for both interior and exterior applications
- Light grey colour blends well with aged concrete

TECHNICAL INFORMATION

Typical Engineering Data

The following results were developed under laboratory conditions.

Density: ~2.0 kg/L
 Water Absorption: <3% (at 30 mm)
 Bond Strength: > 1.5 MPa

Compressive Strength ASTM C 109, 50 mm cubes

AGE	STRENGTH MPa
1 day.....	> 15MPa
7 days.....	> 35MPa
28 days.....	> 50MPa

Appearance: **EUCOPATCH 20** 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 colour will lighten up substantially as the **EUCOPATCH 20** cures, resulting in the repair area very closely matching the surrounding concrete.

PACKAGING/YIELD

EUCOPATCH 20 is packaged in 25 kg bags which yield 0.014m³ when mixed with 3.4 - 3.5 L of water.

SHELF LIFE

1 year in original, unopened package.

COVERAGE

One 25 kg unit of **EUCOPATCH 20** will cover approximately 1.0 m² when placed at an average depth of 14mm.

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 minimum surface profile of CSP 5 - 7 in accordance with ICRI Guideline 310.2. Properly clean profiled area. **Priming:** Prime exposed steel with **EUCOPATCH P**. Concrete should be primed with a spray or brush coat of **EUCOPATCH P**. The **EUCOPATCH P** primer coating must be followed with a “wet-on-wet” application of **EUCOPATCH 20**. Alternatively, a Saturated Surface Dry (SSD) concrete surface can be primed with a scrub coat of **EUCOPATCH 20**. The repair must be made before the scrub coat dries out.

Mixing: Single bags may be mixed with a drill and suitable 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 20** onto the prepared concrete or masonry surface at a minimum depth of at least 5 mm. Float or trowel flush with adjacent surface and allow to set. Finish to match the surrounding surfaces. **Place EUCOPATCH 20 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.

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**. 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 that can be used in 10 minutes.
- Do not use material at temperatures below 7°C.
- Store product in a dry place.
- In all cases, consult the Safety Data Sheet before use.

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