THE EUCLID CHEMICAL COMPANY



19218 REDWOOD ROAD • Cleveland, OH 44110 (216) 531-9222 • (800) 321-7628 • FAX (216) 531-9596 www.euclidchemical.com

EUCO RAPID PATCH & RAPID PATCH VF

RAPID SETTING PATCHING MORTAR

EUCO RAPID PATCH is a rapid setting, rapid hardening cementitious material for patching and repair of concrete surfaces. Requiring only the addition of water, EUCO RAPID PATCH is easy to use and can be shaved to conform to the area of placement after initial set. This product is designed to be placed at 1/16" (2mm) to 2" (50mm) in depth. A cold weather version, EUCO RAPID PATCH VF, is available for use in temperatures of 35°F (2°C) to 50°F (10°C).

PRIMARY APPLICATIONS

- Precast panels
- Concrete piping
- Curbs
- Pavements
- Patching floors
- Walls (formed)

FEATURES/BENEFITS

- Rapid setting for quick repairs
- Suitable for vertical/overhead applications
- Rapid high early strength for quick turnaround time
- Easy to use one part system
- Shave within 15 minutes of installation
- Excellent freeze/thaw resistance
- Minimal downtime due to rapid set
- Can be used in wet areas

PACKAGING/YIELD

One 50 lb (22.7 kg) bag of EUCO RAPID PATCH, mixed with 5 quarts (4.7 liter) of water, will yield approximately 0.50 ft³ (0.014m³) of mortar. This product is available in 50 lb (22.7 kg) bags and 50 lb (22.7 kg) pails.

Shelf life in original unopened package is 1 year.

XENG.SPECS ◆CATALOG INDEX

♦MSDS ♦SECTION INDEX

XFRENCH ◆PRINT

XSPANISH ◆EXIT CATALOG

TECHNICAL INFORMATION

Typical Engineering Data Compressive Strength

ASTM C-109, 2" (50 mm) cubes @ 72°F(22°C)

1 day 2,500 psi(17 MPa) 7days 4,500 psi (31 MPa) 28 days 5,000 psi (35 MPa))

Initial set time: @ 72^oF (22^oC): 15 min 5 min (VF) Final set time: @ 72^oF (22^oC): 20 min 10 min (VF)

Flexural Strength per ASTM C-78

925 psi @ 28 days

Freeze/Thaw Durability per ASTM C-666

300 cycles 96.75%

Scaling per ASTM C-672

25 cycles 0% Loss

Shrinkage at 50%RH, 28 days 0.143%

ASTM C-157

Expansion at 100%RH, 14 days 0.055%

ASTM C-157

Appearance-EUCO RAPID PATCH/RAPID PATCH VF is a free flowing powder designed to be mixed with water. After mixing and placing, the color may initially appear slightly darker than the surrounding concrete. While this color will lighten up substantially as the concrete cures and dries out, the repair may always appear somewhat darker than the surrounding concrete.

DIRECTIONS FOR USE

Surface Preparation-Surface must be clean, sound and free of loose or deteriorated concrete, dust, dirt, form releases and all curing and sealing compounds. Pre-dampen the prepared substrate but remove any standing water or puddles.

rebar may be treated with an anti-corrosion coating such as CORR-BOND or EUCO #452 LV epoxy. Remove all loose rust and scaling, preferably by sandblasting to white metal prior to coating the rebar.

Mixing-EUCO RAPID PATCH/RAPID PATCH VF sets rapidly. Do not mix more than can be placed within 5 minutes of adding water. Mix small quantities in a clean pail. All materials should be in the proper temperature range of 60°F (16°C) - 90°F (32°C). Select the appropriate amount of water for the batch size and then add the EUCO RAPID PATCH/RAPID PATCH VF. Mix material for 1 minute to a uniform consistency. The mixed product should be quickly transported to the repair area and placed immediately.

Placement-To ensure a good bond, compact mortar into a predampened area by hand or with a trowel. Slightly overfill patch and following initial set, shave as desired. Always shave from the middle of the repaired area toward the bonding edge.

Finishing-Finish EUCO RAPID PATCH/RAPID PATCH VF to the desired finished texture. Do not add additional water to the surface during the finishing operation. If additional liquid is required, use EUCOBAR as a finishing aid.

Curing and Sealing - Proper curing procedures are important to ensure the durability and quality of the repair. To prevent surface cracking, cure EUCO RAPID PATCH/RAPID PATCH VF with a curing compound, such as AQUA-CURE VOX or REZ-SEAL. In hot, windy or direct sunlight situations, re-wet the surface after the curing compound has dried and cover with polyethylene for a minimum of three (3) days. Curing compound must be ordered sepa-

If a curing compound is not desired, wet cure for a minimum of three (3) days.

CLEAN-UP

Clean tools and equipment with water before the material hardens.

PRECAUTIONS/LIMITATIONS

- If used in cold weather, the repair must be kept from freezing for at least 8 hours.
- Do not apply over frozen concrete.
- Overworking this product may cause blistering.
 Care should be taken when using a steel trowel.

Registered Company

ANSI-RAB

GRADA

Form Euco Rapid Patch-8.01