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POLY-PATCH®

ONE-PART PATCHING AND RESURFACING MATERIAL

POLY-PATCH is a normal setting cement based patching and resurfacing compound ready to use with the addition of only water. POLY-PATCH may be used on either vertical or horizontal surfaces, as thin as 1/16" (2 mm).

PRIMARY APPLICATIONS

- Thin patching
- Resurfacing any concrete or masonry surface
- Repairing spalled concrete or masonry
- Filling cracks
- Resurface floor areas
- Filling honey-combed or scarred walls or columns

FEATURES / BENEFITS

- One-component, ready-to-use needs only water
- Can be used inside or outside
- Produces hard, durable patch
- Normal setting-initial set in approximately 45 minutes
- Can be featheredged down to 1/16" (2 mm)

PACKAGING / YIELD

POLY-PATCH is available in 50 lb (22.7 kg) bags or in 15 lb (6.8 kg) bags packaged 4 per case.

One 50 lb (22.7 kg) unit of POLY-PATCH yields .52 ft^3 (0.015 m^3), when mixed with 0.95 gal (3.6 liter) of water.

Shelf life is 2 years in original, unopened package.

COVERAGE

One 50 lb (22.7 kg) bag will cover 25 ft^2 (2.3 m^2) @ 1/4" (6 mm) depth.

One 15 lb (6.8 kg) bag will cover 7.5 ft^2 (0.7 m^2) @ 1/4" (6 mm) depth.

TECHNICAL INFORMATION

Typical Engineering Data

Compressive Strength

ASTM C-109 2" (50 mm) cubes

1 day	2,300 psi (16 MPa)
7 days	3,800 psi (26 MPa)
28 days	4,500 psi (31 MPa)

Flow Test

ASTM C-109 (five days) 80%

Appearance-POLY-PATCH is a free flowing powder as packaged. After mixing and placing, the color may initially appear darker than the surrounding concrete. While this color will lighten up substantially as the POLY-PATCH cures and dries out, the repair may always appear somewhat darker than the surrounding concrete.

The final trowelled appearance can be any texture consistent with that expected from concrete and should be specified by the owner.

DIRECTIONS FOR USE

Surface Preparation-Concrete must be clean and rough. All oil, dirt, debris, paint and unsound concrete must be removed. The surface must be prepared mechanically using equipment which will give a surface profile of a minimum 1/16" (1.59 mm). The final step in cleaning should be the complete removal of all residue with a vacuum cleaner or pressure washing.

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

Joints and Edges-Edges should be sawcut to 1/4" (6 mm) deeper than the topping thickness and notched at the edge of the overlay to provide a locked in degree. Chip the edge with a hand held chipping hammer to provide the wedge shaped notch. Moving joints as in the case of expansion joints should be brought up through the overlay by sawcutting or with the use of a divider strip.

Exposed Reinforcement Steel-Exposed 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.

Bonding-Roughened surfaces may be primed with either an epoxy primer, such as EUCO #452 MV or a bond coat of POLY-PATCH. For sand blasted and other minimum profile substrate surfaces, use of an epoxy primer is strongly recommended.

Bond Coat-Mix POLY-PATCH as instructed but add an additional pint (.47 liter) of water per unit to the mix. Broom the bond coat on to the prepared concrete. Apply the POLY-PATCH topping before the bond coat has dried.

Epoxy Primer-Use EUCO #352 EPOXY SYSTEM adhesive for exterior repairs. Use EUCO #452 EPOXY SYSTEM adhesive for interior repairs. Note:For extended working time, epoxy type bond strengths, and/or corrosion protection of reinforcing steel, use CORR-BOND cement/epoxy compound as a bonding agent and a protective coating for re-bar. Follow mixing and placement instructions on the respective product technical data sheet.

Mixing-Small quantities of POLY-PATCH 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^{O}F (15^{O}C) - 90^{O}F (32^{O}C). Add the appropriate amount of water for the batch size and then add the dry product. Mix a minimum of 3 minutes. The mixed product should be quickly transported to the repair area and placed immediately.

Placement-Discharge material from mixer and place. For patching, spread with a trowel, come-a-long, or square tipped shovel to a thickness that matches the surrounding concrete. Finish by hand trowelling.

Finishing-Finish the repair material to the desired texture and to match the surrounding concrete. Do not add additional water to the surface during the finishing operation. If additional liquid is required, use EUCO-BAR finishing aid.

Curing & Sealing-Proper curing procedures are important to ensure the durability and quality of the repair. To prevent surface cracking, cure the repair with two coats of a high solids curing compound, such as SUPER AQUA-CURE VOX of SUPER REZ-SEAL. In hot, windy or direct sunlight

situations, rewet the surface of the curing compound with water and cover with polyethylene for a minimum of three days.

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

CLEAN-UP

Tools and equipment may be cleaned with water before POLY-PATCH hardens.

PRECAUTIONS / LIMITATIONS

- Do not use calcium chloride or calcium chloride based admixtures in POLY-PATCH.

Form Poly-Patch-3.97