

FLASH-PATCH

A FAST SETTING, POLYMER-MODIFIED, PATCHING & UNDERLAYMENT MATERIAL FOR APPLICATIONS FROM A FEATHER-EDGE UP TO 1/2"

FLASH-PATCH is a fast-setting, cement-based, single component, patching, topping and underlayment material applied by trowel over concrete, masonry and plywood surfaces from a feather-edge up to 1/2". Flash-Patch sets in 20 minutes allowing for quick finishing and shortened down time.

USES and ADVANTAGES

- Fast setting (20 minutes).
- Easy to use, just add water.
- A superior underlayment for tile, carpet and a variety of flooring materials.
- A resurfer for floors, shipping docks, ramps, garages, driveways, patios, steps, sidewalks and many other working surfaces.
- Non-shrink.
- May be used to set ceramic tile, quarry tile, masonry and natural stone pavers.
- Use Flash-Patch when the application requires a maximum build up of 1/2" down to a feather edge.
- Trowels easily, may be feather-edged.
- Superior adhesion and flexural strengths: bonds to new or old concrete, cement, brick, stone, plywood and other properly prepared surfaces.
- High compressive strengths: withstands static loads such as fork lifts, steel wheeled equipment and machinery.
- Self curing.
- Natural cement color.

SURFACE PREPARATION

Masonry and Concrete Surfaces

Must be sound and clean. Remove all dirt, dust, spalling or loose concrete, oil, grease, wax, mildew, efflorescence, curing compounds, form release agents, paint or any other foreign material which might effect the bond. **SEE WARNING ON BACK PAGE REGARDING PAINT REMOVAL.** A dry removal method such as a sand or shot blasting procedure will ensure a proper surface preparation. Wet cleaning may also be used. If the size of the job does not justify the costs of such equipment, all preparations may be accomplished manually. All oil and grease must be scrubbed with a degreasing compound, rinsed thoroughly then allowed to dry. After cleaning oil or grease spots, sprinkle a little water on the cleaned surface to check for residual contamination. Oil or grease is still present if the water forms small globules. If the water is quickly absorbed, the surface is clean.

Efflorescence must be washed with a mild solution of muriatic acid and water, rinsed thoroughly then allowed to dry. **If after cleaning, the surface is extremely dusty, porous or if there is any question of bonding, prime the area with Bond All Exterior.**

Any rusted or corroded rebar or metal within the area to be repaired must be sandblasted or wire brushed making sure all rust is removed. Coat all cleaned metal with a slurry coat of Flash-Patch.

Wood Floors

Must be clean, dust free, rigid and well fastened. Nail or screw heads must be set level with or below the surface. Plywood must be CDX grade, otherwise delamination may occur. **Wood Floors must first be primed with Bond All**

Exterior. Apply Flash-Patch while **Bond All Exterior** is still tacky and damp to the touch.

Always perform a spot test (of sufficient size) prior to application in order to ensure compatibility between Flash-Patch and the substrate as well as to confirm that the appearance and performance are acceptable

MIXING

In a clean container place approximately one quart of water for every 15 pounds of Flash-Patch. A 50# bag of Flash-Patch will require approximately 3-1/2 quarts of water. Mix to form a creamy, lump free, mortar consistency. Mix thoroughly but do not over mix and do not use an excessive amount of water. Do not mix more material than can be placed in 15 minutes.

As with any Portland cement based material, mixing liquid should be kept to a minimum to avoid decreasing strength and adhesive properties.

APPLICATION

Place and trowel the material to the desired thickness, making sure all voids are filled. The finished surface may be steel troweled, floated or broom finished for a non-skid surface. For areas deeper than 1/2", place material in successive layers, scoring the previous layer with trowel after placing. Allow first layer to harden before placing next layer.



60 REAR NEWHALL STREET

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CURING

Flash-Patch is self curing under most conditions, however like all cement based products, moist curing is preferable. Repaired areas exposed to high temperatures, direct sunlight or extremely windy conditions should be lightly misted with water or covered with damp burlap for 24 hours. Most applications under normal conditions can be used for light traffic after 2 hours.

CONTROL JOINTS

For uncovered floors, control joints should be used to control random cracking in the finished surface. When resurfacing concrete, the base concrete slab and the Flash-Patch will move together, so all working joints in the base slab must be reproduced in the Flash-Patch. Joints must be full depth and be as wide or slightly wider than the existing control joints. If there are no control joints and the area to be resurfaced is greater than 200 square feet, joints must be cut into the Flash-Patch with no dimension greater than 20 feet. Control joints may be hand tooled or saw cut.

SPECIAL PRECAUTIONS

- Umaco Flash-Patch should be applied only when the ambient and surface temperature are 40 degrees F or above and will not fall below that for 24 hours.
- Do not use any additives.
- Do not apply over frost or frozen surfaces.
- Clean all tools and mixing containers with water during and immediately after use.

COVERAGE

Per each 50 lb bag of Flash-Patch:

Average Depth	Coverage
1/16".....	100 square feet
1/8".....	50 square feet
1/4".....	25 square feet

TEST DATA

	7 Day	28 Day
Compressive.....	4250 PSI.....	5450 PSI
Tensile.....	385 PSI.....	475 PSI
Flexural.....	700 PSI.....	825 PSI
Shear Bond.....	390 PSI.....	490 PSI

WARNING!

Do not take internally. Contains Portland cement and Silica sand. May be irritating to the eyes and nose. Prolonged inhalation may cause lung injury. Avoid eye contact or prolonged contact with skin. Wash hands thoroughly with water after handling. In case of eye contact, flush with plenty of water for at least fifteen minutes. If irritation persists, consult a physician immediately. Dust masks, eye protection and gloves are recommended when using this product. Read Material Safety Data Sheet (MSDS) before using this product which may be obtained from your retailer or by calling 978-453-8881.

24 Hour Emergency Medical/Spill Information (Chemtrec): 800-424-9300

KEEP OUT OF THE REACH OF CHILDREN!

WARNING! If you scrape, sand or remove old paint, you may release lead dust or fumes. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.**

Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log onto www.epa.gov/lead. Wear a properly fitted respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

For technical assistance call
978-453-8881

www.umaco.com

LIMITED WARRANTY

The manufacturer guarantees its products to be free of defects and the extent of its liability is limited to the purchase price of the materials only, if proved to be defective. Improper mixing, incorrect application or other factors beyond the control of the manufacturer or its dealers may produce unsatisfactory results and cannot be held to be the manufacturers or its dealers responsibility. There are no other guarantees either expressed or implied.

03-01-05

- Concrete Patching and Repair Products
- Masonry Waterproofing Products
- Acrylic Admixtures and Bonding Agents



- Decorative Masonry and Concrete Coatings
- Traditional and Synthetic Stucco Systems
- Flooring Underlayments and Resurfacers