U-TROWEL BASECOAT 1C

A FIBER-REINFORCED BASECOAT APPLIED OVER CONCRETE, MASONRY AND PROPERLY PREPARED EXTERIOR GRADE PLYWOOD.

U-TROWEL BASECOAT is a blend of Portland cement, specially blended aggregates and alkaline resistant fibers designed to be used as a basecoat for Umaco U-Trowel and Umaco Finish-Coat. UT Basecoat may be applied vertically with a steel trowel over brick, block, concrete, stone, cement board and exterior grade plywood (when covered with a weather resistive barrier and properly fastened galvanized wire lath). UT Basecoat is designed to be mixed with Add Mix-35, an acrylic additive.

USES and ADVANTAGES

- Used as a basecoat for Umaco U-Trowel and Finish-Coat over all types of properly prepared vertical masonry and concrete surfaces.
- May be applied over exterior grade plywood (as a basecoat for U-Trowel or Finish-Coat) when covered with a weather resistive barrier and properly fastened galvanized wire lath (2.5 lb or heavier).
- Reinforces against plastic shrinkage crack formation.
- Increases impact resistance.
- Fibers are rustproof and corrosion resistant.
- Increased flexural strengths.

SURFACE PREPARATION

Masonry and Concrete Surfaces:

When applying over concrete or masonry surfaces as a basecoat, all surfaces must be sound and clean. Large holes, cracks and voids must be filled using Umaco U-Patch or equivalent. 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 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. 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, or if applying over cement board, prime the area with Bond All Exterior.

Plywood Sheathing:

Plywood must be exterior grade and well fastened. Cover the plywood surface with a weather resistive barrier such as a waterproof building paper or asphalt felt paper. The building paper or asphalt felt paper shall be applied horizontally with the upper layer lapped over the lower layer not less than two inches. Where vertical joints occur, the felt or paper shall be lapped not less than six inches. Then install 2.5 lb (or heavier) galvanized wire lath with the long dimensions across the supports. Securely fasten the wire lath through the sheathing to the wood or metal studs of the frame using washer head screws spaced at 6" on center. Adjoin wire lath with 3" overlap at sides and 3" overlap at lath ends over studs. Stagger end laps in succeeding courses. It is very important that the wire lath stops at each side of a control joint and never continues unbroken behind them.

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

CONTROL JOINTS

Install control or expansion joints as per ASTM C-1063 which requires in part that panels contain 200 square feet or less of surface area with no dimension greater than 20 feet in either direction or a length ratio of 2.5 to 1. Installation of stucco panels within the confines of ASTM C-1063 reduces the chances of shrinkage cracking and allows the entire panel to be stuccoed continuously with no overlaps or cold joints. Additional factors and structural considerations may dictate a more conservative placement of control joints. Expansion joints are also necessary when two dissimilar substrates come together such as poured concrete and block.

MIXING

Using a clean container or cement mixer, add one quart of Umaco Add Mix-35 and approximately three quarts of clean water. Add one 50 lb bag of U-Trowel Basecoat and mix to a mortar like consistency for approximately four to five minutes or until entirely blended. Allow mixture to soak then remix. Mix only as much material that can be applied within approximately 1/2 hour. Do not retemper. If additional bonding strength is required, mix each 50 lb bag of U-Trowel Basecoat with two quarts of Add Mix-35 and approximately two quarts of water.

As with any Portland cement

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based material, mixing liquid should be kept to a minimum to avoid decreasing strength and adhesive properties.

APPLICATION

Over Masonry and Concrete:

If the surface being coated is hot or dry or if the application is made on a windy day, cool the surface with clean water. Apply a thin coat of UT Basecoat with a steel trowel over the entire area within the expansion joints or within the area being worked, firmly pressing the material into all voids and pores. Immediately double back and apply a second coat to produce a level surface a minimum of 1/16" to a maximum of 1/4". Finish the entire panel or work area in one application with no overlaps or cold joints. After the material firms, additional coats of UT basecoat may be applied to obtain the desired thickness. UT Basecoat must cure at least 24 hours before applying Umaco U-Trowel or Umaco Finish-Coat.

Over Galvanized Wire Lath:

Wire lath must be properly fastened (See Surface Preparation). Apply a thin coat of UT Basecoat with a steel trowel over the entire area within the expansion joints or within area being worked, firmly pressing the material while completely encasing the metal reinforcement. Immediately double back and apply a second coat to produce a level surface to a minimum of 1/16" to a maximum of 1/4". Finish the entire panel or work area in one application with no overlaps or cold joints. After the material firms, additional coats of UT Basecoat may be applied to obtain the desired thickness. UT Basecoat must cure at least 24 hours before applying Umaco U-Trowel or Umaco Finish Coat.

COVERAGE

Approximate coverage per each 50 lb bag of U-Trowel Basecoat:

Over Masonry and Concrete:

1/8"……..50 square feet

1/4"……..25 square feet

Over Galvanized Wire Lath:

1/4"……15-20 square feet

SPECIAL PRECAUTIONS

- Umaco UT Basecoat should be applied when the ambient and surface temperature are 50 degrees F or above and will not fall below that for at least 24 hours.
- If temperature is below 50 degrees F, a heated enclosure is required while applying and at least 24 hours after work is completed.
- Do not apply over frost or frozen surfaces.
- Do not allow Add Mix-35 to freeze. If Add Mix-35 does freeze, discard.
- Clean all tools and mixing containers with water during and immediately after use.

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.

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