

Pro-Line Universall Patch

Polymer-Modified Portland Cement Patch & Skimcoat

Packaging: Available in 10 lb. pails & 20 lb. bags. Gray

- * **Polymer Modified Patching Material**
- * **Featheredge up to 1 1/2"**
- * **Use Interior or Exterior**
- * **No V.O.C.**
- * **Contributes to LEED®**

♦ **Usage:** Universall Patch is designed to patch uneven or rough surfaces. Additional uses as a skim coat, leveler, rapid patch, underlayment, deep patch, and thin patch. After Universall Patch has been allowed to cure completely, surface may be exposed to constant water.

♦ **Suitable Substrates:** Properly prepared concrete, brick, masonry, ceramic tile, Masonite, and cut back adhesive. Universall Patch can also be used under vinyl flooring, linoleum, carpet, ceramic tile, porcelain tile, natural stones, brick, masonry, slate, granite, or marble. Exterior grade plywood and OSB (interior dry areas only).

♦ **Preparatory Work:** All substrates must be clean, dry, and structurally sound and not subject to extreme temperatures (below 40°F or above 100°F) during installation. Surface must be free of all grease, oil, dirt, dust, curing compounds, sealers, coatings, efflorescence, old adhesive residues, gypsum based underlayments and any other foreign matter. Painted or glossy surfaces must be sanded, stripped, and free of all contaminants. Deflection shall not exceed L/360.

WARNING: DO NOT SAND ASBESTOS FLOORS!

♦ **Expansion Joints:** Expansion joints shall be installed in accordance with local building codes. See EJ171 in T.C.N.A. handbook for details. Expansion joints, control joints and cold joints should never be bridged with setting material.

♦ **Cementitious Substrates:** Clean via mechanical sanding, scraping, or chipping. Surface may also be cleaned with muriatic acid if thoroughly flushed and neutralized. Smooth, steel troweled concrete surfaces must be mechanically scarified to ensure a good bond. Concrete should be able to absorb water. Dry porous concrete should be dampened prior to ceramic tile installation- do not leave puddles or standing water on surfaces.

♦ **Non-Cementitious Substrates:** Surfaces such as stripwood, old plaster or painted surfaces that provide bonding problems should be covered with a cleavage membrane topped with a 3/8" to 3/4" reinforced mortar bed for walls and a 1 1/4" reinforced mortar bed for floors.

♦ **Plywood Substrates:** Apply spot patching only to wood surfaces. Gaps of 1/16" to 1/4" must be allowed between sheets of plywood for expansion. Joints must be covered with adhesive tape prior to application of metal lath and must be secured with screw-type nails and glued where possible.

♦ **Old Cutback Adhesive:** Loose material and ridges should be scraped off and surface must be thoroughly dried, hard and bonded. Wet mop the surface to remove any dust, dirt, and any other foreign material before applying Universall Patch. Allow surface to dry prior to application.

♦ **Ceramic Tile Substrate:** Existing ceramic, marble, stone, terrazzo tile substrates must be properly bonded. Surface must be prepared in accordance with cementitious substrates; surface is required to be mechanically scarified prior to installation to ensure a proper bond.

♦ **Application as an embossing leveler:** Vinyl/VCT must be clean and well bonded to the substrate. Remove any loose pieces of vinyl/VCT flooring. Roughen new or smooth surfaces. The installation must be thoroughly rinsed and dried. Avoid thick or heavy applications. An embossing leveler need only be thick enough to fill in the depressions of the floor covering. Make sure coverage is smooth and uniform; avoid over-troweling. A second application may be required on deeply embossed floors.

♦ **Mix:** Universall Patch should be mixed in a clean container with clean, cool, potable water at room temperature or lower. Mix only enough material that can be placed within 10 minutes. Always place powder into the water at a slow rate. Mix with a slow speed drill at 300 RPM or less until a smooth, creamy consistency is achieved. Do not entrap air into the mixture. Do not use mortar after initial set in bucket. During use, remix mortar occasionally.

♦ **Application:** Always dampen substrate to a surface saturated dry condition so the Universall Patch does not flash dry. Place Universall Patch until desired thickness is achieved. Universall Patch will go from a featheredge up to 1 1/2 inches. Finish product with a clean steel trowel immediately. Use caution to not over trowel. All expansion joints must be recognized and continue through to the finished surface. Do not cover any joint with Universall Patch. Once Universall Patch has dried completely, use flat side of trowel or fine grade sand paper to sand down to a smooth finish.



Data Sheets are subject to change without notice. For latest revision, check our website at www.bondedmaterials.com. If an installation or materials should be changed outside the detailed instructions, please contact our technical support dept. for assistance.

♦ Bonded Materials Company ♦

4330 N. 43rd Ave. Suite B-4 Phoenix, Az.85031

Ph. 623-873-0001 Toll Free 877-726-6333 www.bondedmaterials.com



rev. Jul-09

Pro-Line Universall Patch

Polymer-Modified Portland Cement Patch & Skimcoat

Packaging: Available in 10 lb. pails & 20 lb. bags. Gray

*** Polymer Modified Patching Material * Use Interior or Exterior * No V.O.C. * Contributes to LEED®**

♦**Curing:** Minimum cure is obtained in approximately 30 minutes. When used in an area that will be continually wet, it is recommended the installation be allowed to cure a minimum of 14 days and be thoroughly dry prior to water exposure.

♦**Cleaning:** Clean off any uncured mortar with clean water only.

♦**Limitations:** Universall Patch must not be applied directly over hardwood, cushion backed or perimeter bonded sheet vinyl, asphalt sheeting, vinyl covered wall board, Masonite®, cement asbestos board, metal, glass, fiberglass, plastic, epoxy or urethane floor coatings, luan plywood or gypsum mortar beds. Improperly cured or wet plywood, particle board or stripwood surfaces are not considered suitable substrates. All substrates must be structurally sound and meet all local regulations. All bond breakers such as dust, sealers, old adhesives, curing compounds, oil, and gypsum based materials, surface hardeners; paints, old flooring, and any loose or foreign matter must be removed before application. Cement substrates and special surfaces must be of proper profile.

♦**Protection:** Protect from freezing for 5-7 days

♦**Coverage:** Per 20 lb. bag
20-25 Sq Ft @ 1/8" Thick
80-100 Sq Ft @ 1/64" Skimcoat

♦**Storage:** One year if kept dry in sealed bags.

♦**Safety:** May cause eye, skin, or lung injury. Contains free silica. Prolonged exposure to dust may cause delayed lung disease (silicosis). Eliminate exposure to dust. Use NIOSH approved mask for silica dust. Contains Portland cement. If any cement or cement mixtures get into the eye, flush immediately and repeatedly with water and consult a physician promptly. Freshly mixed cement, mortar, concrete, or grout may cause skin injury. Avoid contact with skin where possible and wash exposed areas promptly with water. KEEP OUT OF REACH OF CHILDREN.

♦**Warranty:** Bonded Materials Company ("Bonded Materials") warrants to the original consumer purchaser that its product shall be free from defects in material and workmanship under normal and proper usage for a period of one year following the date of original purchase. Bonded Materials sole liability under this warranty shall be limited to the replacement of the product. The statements, recommendations, and technical information provided are furnished without warranty, representation, inducement or license of any kind; except that it is accurate to the best of our knowledge, or obtained from sources believed by us to be accurate. Bonded Materials makes no warranty for a particular purpose with respect to product sold herein, except quality of components shall be in accordance with Bonded Materials standards. It is expressly understood and agreed that the buyer's sole and exclusive remedy shall be replacement of defective products. Handling and actual use of product are beyond the control of Bonded Materials, therefore, no warranty is made, expressed or implied, as to the results obtained from use of the product or against any claims for infringement of patents resulting from the use of the product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty will not extend to any product which has been modified in any way or which has not been used in accordance with Bonded Materials printed instructions. Bonded Materials makes no other warranties either expressed or implied. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.

Bonded Materials Company is a member in good standing with the following organizations: National Tile Contractors Association (NTCA), Marble Institute of America (MIA), Ceramic Tile and Stone Association of Arizona (CTSAA), Materials and Methods Standards Association (MMSA), Construction Specifications Institute (CSI) and American Institute of Architects (AIA) Accredited for Continuing Education.

Universall Patch Technical Data (based on 70°F [21°C] and 50% relative humidity)

Test	Universall Patch Values
*Pot Life @ 70°F -	35 Minutes
Initial Set @ 70°F -	12-15 Minutes
Final Set @ 70°F -	30 Minutes
Drying Time before applying Floor Covering	30-60 Minutes
Compressive Strength	
ASTM C-109 28 Days	>3300 psi (232 kg/cm ²)
ASTM C-348 28 Days	>600 psi (42 kg/cm ²)

**Open times vary based on temperature, humidity, substrate, trowel size, and job-site conditions.*



Data Sheets are subject to change without notice. For latest revision, check our website at www.bondedmaterials.com.
If an installation or materials should be changed outside the detailed instructions, please contact our technical support dept. for assistance.

♦ Bonded Materials Company ♦
4330 N. 43rd Ave. Suite B-4 Phoenix, Az. 85031

Ph. 623-873-0001 Toll Free 877-726-6333 www.bondedmaterials.com



rev. Jul-09