

hydroment®

PRODUCT INFORMATION

HYDROMENT® FLEX-A-LASTIC™ A Premium Grade, High Solids Acrylic Mortar Admixture

PRODUCT DESCRIPTION

Flex-a-lastic™ is a premium grade, high solids acrylic mortar admixture. When mixed with Tile-Mate Thin Set Mortars, it becomes a flexible, high strength, freeze/thaw resistant mortar system for the interior and exterior setting of ceramic tile, porcelain tile, marble, granite and large dimension stone. Flex-a-lastic is an ideal choice for installations requiring high bond strength and flexibility over conventional and unconventional substrates. It also provides tenacious grab making it ideal for vertical applications.

FEATURES & BENEFITS

- Ultra high shear, flexural and tensile strengths.
- Superior deflection capability—1" in 20' (L/240).
- Excellent for porcelain and glass tiles.
- Provides high bond strengths and flexibility over plywood.
- Outstanding freeze/thaw resistance.
- Meets or exceeds ANSI 118.4 when mixed with Tile-Mate Thin Set Mortars.
- Provides high initial grab for vertical installation of heavy/large ceramic tile and stone.

SUITABLE SUBSTRATES

- Concrete
- Existing Ceramic Tile, Brick and Cement Block
- Exterior Grade Plywood
- Cutback Adhesive Residue (**dry only**)
- Well-bonded Vinyl, VCT and VAT
- Cementitious Backer Board
- Formica and Other Laminated Surfaces
- Hydroment Ultra-Set™
- ECB Membrane

TYPICAL PHYSICAL PROPERTIES*

Open Time at 70°F	90 - 120 minutes	
Adjustability at 70°F	50 - 90 minutes	
Final Set at 70°F	18 hours	
Tensile Strength	546 psi	
Flexural Strength	1175 psi	
Shear Strengths	<u>Flex-a-lastic</u>	<u>ANSI 118.4</u>
- porcelain	600 psi	200 psi
- glazed wall tile	658 psi	300 psi
- quarry tile	450 psi	150 psi

*When mixed with Tile-Mate thin sets mortars.

SUBSTRATE PREPARATION

All surfaces must be structurally sound, clean and free of dust, grease, oil, curing compounds and any foreign material which may inhibit proper bond.

Concrete: Concrete surfaces must have a texture similar to a light broom finish **Plywood:** Use exterior grade plywood only on bridged floor joists 16" on center. Plywood type should be underlayment with exterior grade or exterior type C-C plugged (exterior underlayment or better). If existing floor is less than 1" thick, glue and nail 1/2" plywood to the floor. Glue and nail using 5d or 6d cement covered or screw shank nails 6" around perimeter panel edges and a maximum of 8" on center each way throughout the panel. Allow a 1/4" gap between plywood sheets and all areas where they abut posts, walls, drains, etc. These areas shall be filled with thin set upon installation of tile. Clean and rough sand the plywood. Installations over plywood should be limited to dry, interior, residential applications only.

Well-bonded Vinyl, VCT, VAT Ceramic Tile, Cutback Adhesive Residue: All waxes and sealers must be removed from vinyl tile. Remove all loose

cutback. Scarify glazed tile substrates with a Carborundum stone or rough sand paper. Do not mix with latex modified thin sets (i.e. Single-Flex™, Single-Flex F.S. and Hydroment P.M.).

MIXING

Add 6 to 7 quarts of Hydroment #447 Flex-a-lastic Flexible Mortar Admixture to 50 lbs. of Tile-Mate Thin Set Mortar. Mix to a creamy, non-slump consistency. Use a slow speed mixer (150 rpm or less). Slake 15 minutes and re-mix. **Do not re-temper by adding more liquid.**

APPLICATION

Apply a thin coat of thin set mortar with the flat edge of a trowel to achieve good mechanical bond with substrate. Comb mortar with appropriate sized notched trowel. Re-comb mortar if any evidence of skinning occurs. Do not spread more mortar than can be covered with tiles in 20 to 30 minutes. Apply tile into fresh bed of mortar using a twisting motion. Promptly beat in tile to ensure maximum adhesion. Periodically check backs of tile to ensure proper transfer. Interior installations require a minimum of 80% adhesive transfer. Exterior applications or applications over plywood require at least 90% adhesive transfer (*according to ANSI A108.5*).

LIMITATIONS

- Do not apply over single layer or strip wood floors, or rubber floors.
- Do not use with moisture sensitive stones (e.g. green marble).
- Do not use over frozen or unsound substrates.
- Do not apply over pressboard, particle board, masonite, luan, OSB (oriented strand board) or similar unstable substrates.
- Do not apply to plywood in wet exterior areas or areas subject to heavy commercial traffic.
- Do not apply in areas subject to hydrostatic pressure.

- Do not install over wet, contaminated or friable substrates.
- **Do not mix with cement grout or latex modified thin sets** (i.e. Single-Flex, Single-Flex F.S. or Hydroment P.M.).
- Do not use to bridge expansion joints.
- Do not use for setting button/lug back tile.
- Do not use over cushion backed or perimeter bonded vinyl flooring.

GROUTING

Tile should be firmly set before grouting begins. Keep the on-site ambient temperature above 50°F as lower temperatures will inhibit curing. **NOTE: Allow a 48 hour cure before grouting with Hydroment Color-Poxy™ 100% Solids Epoxy.**

PACKAGING

- 1.75 Gallon Pail (6.6 l liters) – *east coast only*
- 2 Gallon Pail (7.56 liters) – *west coast only*
- 5 Gallon Pail (18.90 liters)
- 55 Gallon Drums (207.90 liters)

CLEAN UP

Clean tools and equipment with water.

STORAGE/SHELF LIFE

Store in a clean, dry area not affected by freezing or hot temperatures. Shelf life is one year from date of manufacturing.

MANUFACTURING

Bostik World Headquarters
Middleton, MA 01949
(800) 7-BOSTIK/(800) 726-7845

PLANT LOCATIONS

Long Beach, CA 90813
Twinsburg, OH 44087
Conyers, GA 30207

TECHNICAL SERVICES

(800) 523-6530

LIMITED WARRANTY

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