

hydroment®

P R O D U C T I N F O R M A T I O N

HYDROMENT® TILE-MATE

PRE-BLENDED, READY-TO-USE MORTARS

FOR INTERIOR OR EXTERIOR INSTALLATIONS ON VERTICAL OR HORIZONTAL SURFACES

PRODUCT DESCRIPTION

Hydroment® Tile-Mate Thin Set Mortars are composed of select, proprietary chemicals, carefully graded aggregates and portland cement. Tile-Mate Thin Set Mortars are pre-blended and ready to use. They provide superior bond strengths, excellent freeze/thaw resistance and outstanding workability.

PRODUCT USES

Tile-Mate mortars are designed for interior and exterior, vertical and horizontal installation of ceramic and porcelain tile, marble, granite and other dimensional stone over a wide variety of substrates.

For applications over unconventional substrates, porcelain tile, areas where freeze/thaw conditions are a consideration, or installations where extra high strengths are required; Tile-Mate Thin Set Mortars must be mixed with Hydroment #425 Multi-Purpose Acrylic Latex Admixture or Hydroment #447 Flex-A-Lastic Admixture.

•Tile-Mate Premium...White (East Coast/710, West Coast/713), Gray (760).

This is a premium Tile-Mate thin set system. It is specially designed to provide superior workability and troweling characteristics. *Packaging: 50 lb (22.70 kg) bags.*

•Tile-Mate Floor & Wall...White (712), Gray (762).

This is an economical system for installations where the premium workability of Tile-Mate 710/713/760 is not required. *Packaging: 50 lb (22.70 kg) bags.*

•Tile-Mate Hot Weather Formula (715).

This system is specially formulated to provide extended open time at higher temperatures. *Packaging: 50 lb (22.70 kg) bags.*

•Tile-Mate Floors Only (971).

This is an economical grade thin set for installations over floors only. *Packaging: 50 lb (22.70 kg) bags.*

SUBSTRATES

- Concrete
- Cement Backer Units
- Cement Terrazzo or Block
- Exterior Grade Plywood*
- Existing Ceramic Tile Floors*
- Well-Bonded Vinyl Flooring*
- Gypsum Wall Board*
- Hydroment Ultra-Set*
- Cutback Adhesive Residue**

*Mix using #425 Multi-Purpose Acrylic Latex Admixture or #447 Flex-A-Lastic Admixture.

**Mix using #447 Flex-A-Lastic Admixture only.

SPECIFICATIONS

Tile-Mate Thin Sets meet or exceed the requirements of ANSI A118.1-1985, and A118.4-1985 when mixed with #425 Multi-Purpose Admix or #447 Flex-A-Lastic Admix.

PREPARATION

All surfaces must be structurally sound, clean, free of dust, grease, oil, curing compounds and any foreign material which may inhibit proper bond. Concrete should have a surface texture similar to a light broom finish. TCA recommends roughing or scarifying glazed tile substrates. **NOTE: It is the user's responsibility to determine the condition and suitability of all surfaces prior to application.**

MIXING

Mix 5 to 6 quarts of cool, clean drinkable tap water, 5 to 6 quarts of #425 Multi-Purpose Acrylic Additive or 6 to 7 quarts of Hydroment #447 Flex-A-Lastic to 50 lbs. of Tile-Mate thin set. Mix to a creamy consistency. Use a slow speed mixer (≤ 150 rpm). Slake 15 minutes and re-mix. Do not re-temper by adding more liquid.

APPLICATION

Apply a thin coat of Tile-Mate Thin Set Mortar with the flat edge of the trowel to achieve good mechanical bond

APPLICATION (cont.)

with the substrate. Comb mortar with the appropriate size notched trowel. Re-Comb mortar if any evidence of skinning or setting occurs. Do not spread more mortar than can be covered with tiles within 20 to 30 minutes. Apply tile using a twisting motion into the fresh bed of mortar. 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 90% adhesive transfer.

PLYWOOD: Mix Tile-Mate Thin Set Mortar with Hydroment #425 Multi-Purpose Admixture or #447 Flex-A-Lastic. Use exterior grade plywood only on bridged floor joists 16" on center. Plywood type should be underlayment with exterior glue 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" on center each way throughout 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. Due to the limitations of plywood as a substrate material, Tile-Mate thin sets are not intended for use on plywood in exterior or wet interior applications; or areas subject to heavy commercial traffic. NOTE: In areas where deflection is less than or equal to L/360 use #425 Multi-Purpose Admixture. In areas where deflection is greater than L/360, but less than or equal to L/240, use #447 Flex-A-Lastic.

WELL-BONDED VINYL TILE/CUT-BACK ADHESIVE

RESIDUE: Mix Tile-Mate thin set mortars with #447 Flex-A-Lastic Admixture. All waxes and sealers must be removed from vinyl tile. Remove all loose cut-back.

GROUTING

Tile should be set 24 hours before grouting begins. Allow 48 hour cure prior to grouting with Hydroment Color-Poxy epoxy grouting and setting system. Keep the on-site ambient temperature above 50°F as lower temperatures will inhibit curing.

LIMITATIONS

- Do not apply over single layer wood floors.
- Do not use with moisture sensitive stones, e.g. green marble.
- Do not use over rubber or strip wood floors.
- Do not use over frozen or unsound substrates.
- Do not apply to plywood in wet or exterior areas.
- Do not apply over pressboard, particle board, masonite, luan or similar unstable substrates.
- Do not apply over OSB (oriented strand board).
- Do not apply in areas subject to hydrostatic pressure.
- Porcelain tile installations require the use of Hydroment #425 Multi-Purpose Acrylic Latex Admixture or #447 Flex-A-Lastic Admixture.

CLEAN UP

Remove excess Tile-Mate Thin Set Mortar with a sponge and clean water immediately after use. Removal of cured mortar is very difficult.

STORAGE/SHELF LIFE

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

MANUFACTURING

Bostik Worldwide Headquarters
Middleton, MA 01949
800/7-BOSTIK or 800/726-7845

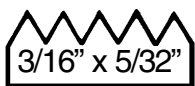
PLANT LOCATIONS

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

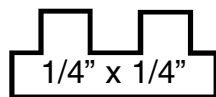
TECHNICAL SERVICE

800/523-6530

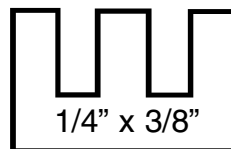
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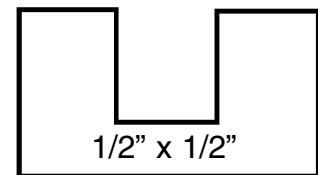
ceramic mosaics
mounted ceramics
Avg 85-100 sq ft



4" x 4" and 8" x 8"
ceramics & pavers
Avg 70-80 sq ft



6" x 6" and 8" x 8"
quarry tile
Avg 50-60 sq ft



8" x 8" and 12" x 12"
lugged back & mexican paver tile
Avg 35-40 sq ft