



Black-Top™

WATERPROOFING AND ANTI-FRACTURE MEMBRANE

KEY FEATURES

- Roller applied
- Exceeds ANSI A118.10 and 118.12
- Exceeds ASTM C-836-89

DESCRIPTION

Bostik Black-Top™ is a liquid, rubber-based, fabric-reinforced, roller-applied, flexible waterproofing and anti-fracture membrane. Use Black-Top™ as a waterproofing and/or anti-fracture membrane over properly prepared concrete; structurally sound, exterior grade plywood (interior/dry use only); cementitious backer board; and existing, well-bonded ceramic tile or cement terrazzo prior to the installation of ceramic or stone tile.

WHERE TO USE

Interior/exterior floors and walls.

DIRECTIONS FOR USE

Read and understand technical and safety data sheets completely before beginning installation. Follow applicable ANSI, NTCA and TCNA installation standards. Refer to www.bostik.com/us for the most recent product information and safety data sheet prior to installation.

SURFACE PREPARATION

All surfaces must be clean, dry and smooth; free of voids, projections, loose materials, oil, grease, sealers, curing compounds, waxes and all other surface contaminants that may inhibit proper bond. All surfaces should be between 45°F (8°C) to 85°F (32°C) during application, and for the following 24 hours. All cracks greater than 1/8", gaps due to substrate protrusions, or control joints should be treated by inserting a backer rod or bond breaker tape, and filling the crack/joint with Bostik 915FS™ sealant or cement-based patch.

Application Over Plywood: Maximum joist spacing shall be 16" on center. Plywood shall be Underlayment Exterior Grade or C-C Plugged Exterior Grade (or better). If the existing floor is less than 1" thick, glue and nail 15/32" or 1/2" APA Underlayment Exterior Grade or C-C Plugged Exterior Grade plywood to the floor. Glue and nail using 5D or 6D (1½" or 2") cement coated screw shank nails 6" on center along the panel edges and a maximum of 8" on center each way throughout the panel. Allow 1/8" gap



between underlayment sheet edges and all areas that abut walls, drains, posts, etc., these areas shall be filled with mortar prior to application of membrane. Clean and rough sand the plywood. Due to the limitations of plywood as a substrate, do not use plywood in exterior, wet interior, or applications subject to heavy/commercial traffic.

Application Over Existing Ceramic Tile or Cement Terrazo Flooring: Flooring must be clean and well bonded to substrate. Scarify surface with carborundum stone and thoroughly wash and dry surface. Apply a bond coat. Ensure the exposed substrate is suitable for application.

TYPICAL PHYSICAL PROPERTIES

Liquid	
Color	Blue/Black
Odor	Slight
Dry Time	2-4 hours
Fabric	
Tensile	21-22 lbs
Thickness	Approx. 8 mL
Elongation	40%
Trapezoid Tear Strength	250 psi (ANSI REQ 150)
28 Day Compressive Strength	3-9 lbs
Exceeds ANSI A118.10, 118.12 and ASTM C-836-89	

MIXING

Liquid is ready to use; Simply stir and apply.

APPLICATION

Application as a Membrane:

As a Waterproofing Membrane: Pre-treat all cracks (1/8" or less), by applying a double application of fabric and liquid. See **Antifracture/Crack Suppression Membrane** instructions below for additional information.

Once the surface of the pre-treated area has dried to the touch, apply a liberal coat of the liquid, to a slightly wider area than the width of the fabric, with a heavy-nap roller to achieve a good saturation of the substrate. Immediately and firmly embed the fabric into the liquid until there is complete saturation of the material; apply a liberal second coat of liquid to achieve a flat, reinforced, uniformly thick membrane (approximately 20 mils). Lap fabric a minimum of 2" at the seams. Let liquid dry to the touch in all areas. Apply a final top-coat of the liquid to the entire area being treated. Nominal dry thickness is approximately 20 mils.

Special Precautions: Protect membrane from traffic and water exposure until fully cured. In critical installations, flood tests are required prior to application of tile or stone. Allow membrane to cure fully before testing. Approximately 7 days at 72°F (22°C) and 50% Relative Humidity, or longer in colder weather.

As an Antifracture/Crack Suppression Membrane: For cracks (1/8" or less) and changes in plane, etc. Apply a liberal coat of the liquid, to a 4" wide strip on both sides of the area being treated (8" wide strip), with a heavy-nap roller to achieve a good saturation of the substrate. Immediately and firmly embed 6" wide reinforcing fabric into the liquid until there is complete saturation of the material; apply a liberal second coat of liquid to achieve a flat, reinforced, uniformly thick membrane (20 mils), liquid dry to the touch in all areas (approximately 2 hours at 72°F (22°C) and 50% Relative Humidity). The membrane should be applied to both sides of the crack/joint a minimum of the width of the tile being installed (i.e. a 12" tile should have a minimum 24" wide membrane).

CLEAN UP

Clean all tools and equipment with soap and water while liquid is wet.

CURING

Keep all foot traffic off the installation until the material is dry to the touch (approx. 2 hours). Protect from heavy traffic or water exposure until fully cured, approximately 7 days. Allow 7 days of cure time prior to flood testing.

SETTING TILE & STONE

Once dried, tile/stone may be installed over membrane using Bostik polymer-modified mortar, 100% solids epoxy or modified epoxy.

Follow data sheet instructions and applicable ANSI A108, TCNA & NCTA specifications for installation of ceramic tile.

LIMITATIONS

- Protect finished membrane until covered with tile, stone, or other protective surfacing. (Membrane must be covered with an approved hard surface flooring material, it is not intended as a finished/wear surface.)
- Unprotected membrane should not be directly exposed to sun or weather for more than 30 days.
- Do not use for terraces, balconies, or as a primary roofing membrane over occupied space.
- Do not use for joints that experience dynamic movement (i.e. expansion joints, structural cracks).
- Do not use in installations where deflection exceeds L/360 (1" in 30 feet).
- Do not apply over oriented strand board, particle board, masonite, luaun, or similar unstable substrates.
- Do not use where negative hydrostatic pressure can occur.
- In critical installations, flood-tests are required prior to application of tile or stone. Allow membrane to cure fully before testing. Approximately 7 days at 72°F (22°C) and 50% Relative Humidity, or longer in colder weather.
- **DO NOT FREEZE.** Ship on heated truck when necessary.

PACKAGING

5 gallon pail, 3' x 87' fabric roll (fabric sold separately), 4 x 6" x 87' roll.

WARNING

MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF SWALLOWED. Do not breathe fumes. Do not get in eyes, on skin or on clothing. Use with adequate ventilation or wear mask. Wash thoroughly after handling. Store container in a cool, dry area with lid tightly sealed. Do not reuse container.

KEEP OUT OF REACH OF CHILDREN

FIRST AID TREATMENT

Contains Calcium Carbonate, Quartz Silica and Carbon Black inextricably bound in a polymer matrix. If in eyes or on skin, rinse with water for at least 15 minutes. If breathed in, move person to fresh air. If swallowed, call a Poison Control Center or doctor immediately. Do not induce vomiting.

SEE SAFETY DATA SHEET

CHEMICAL EMERGENCY: 800-424-9300 (USA),
703-527-3887 (International)

MEDICAL EMERGENCY: 866-767-5089

STORAGE/SHELF LIFE

Store in a clean, dry area, off the ground on a pallet, not affected by freezing or hot temperatures. Shelf life is one year from date of manufacturing in unopened pails.

VOC

2 g/L (as calculated by SCAQMD 1113).

FIGURE 1

Waterproofing/Anti-fracture Membrane Ceramic Tile Floors

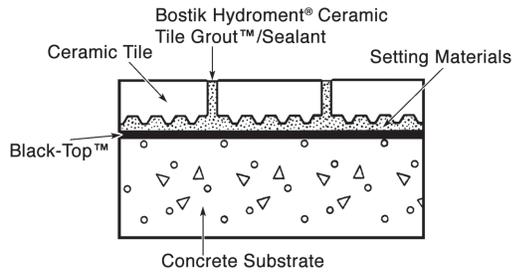


FIGURE 2

Waterproofing/Anti-fracture Membrane Ceramic Tile Floors

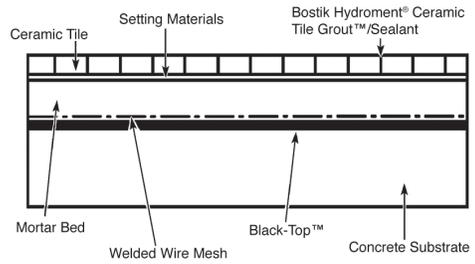


FIGURE 3

Shower Drain Detail With Sand/Cement Pre-Float

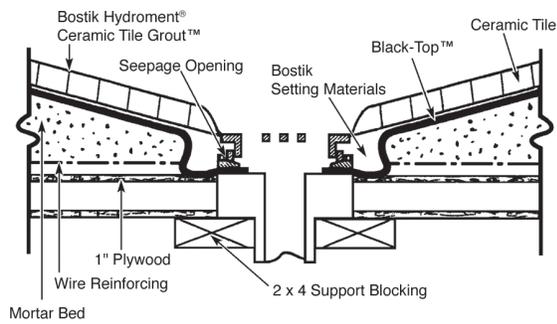


FIGURE 4

Bathtub Walls

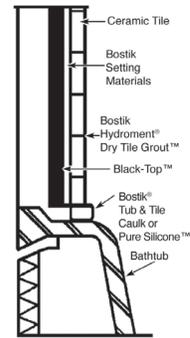


FIGURE 5

Shower Stall Wall

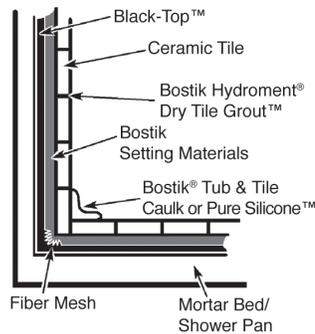


FIGURE 6

Interior Control Joint Treatment

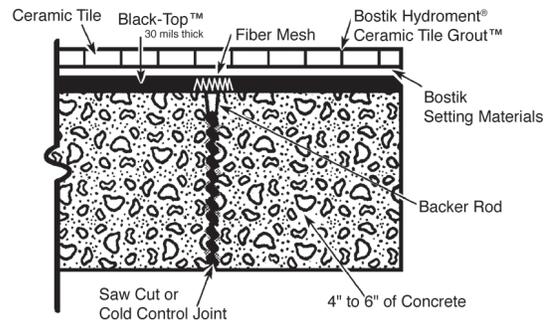


FIGURE 7

Expansion Joint Treatment

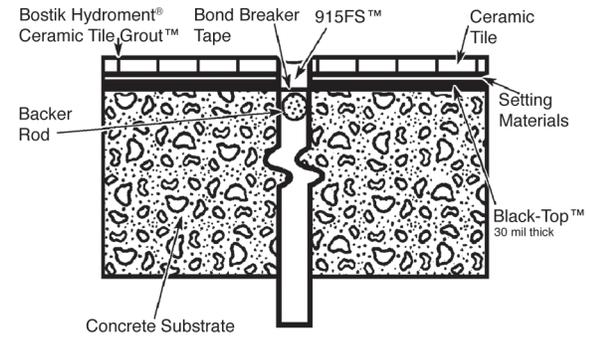


FIGURE 8

Treatment of Isolation Joints (columns, pillars, walls, etc.)

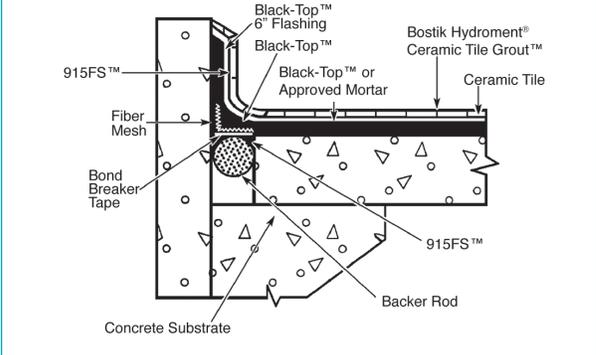


FIGURE 9

Treatment of Metal Penetration (pipe, vent, etc.)

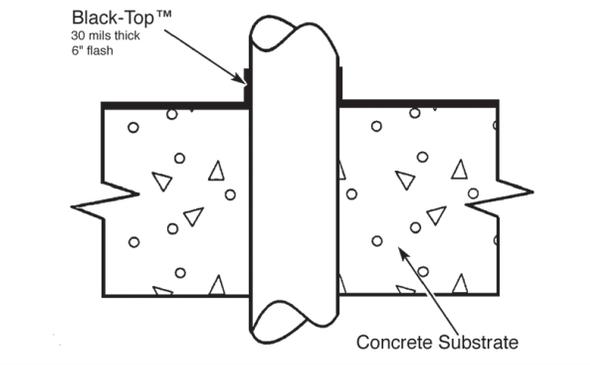
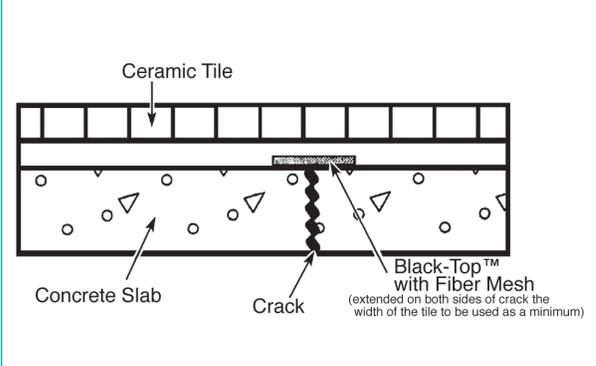


FIGURE 10

Interior Crack Treatment Less Than 1/8"



LIMITED WARRANTY

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BOSTIK HOTLINE

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