BONDTAC S-1430™

XPS & EPS–SAFE WATERPROOF ELASTOMERIC ADHESIVE MEMBRANE

DESCRIPTION:

BondTAC™ S-1430 is a specially formulated, Waterproof Elastomeric Membrane and Adhesive Coating, designed for use on rigid Polystyrene insulation.

FEATURES & BENEFITS:

- Safe on polystyrene foam board
- Waterproof – Repels Water!
- Sticks to virtually any surface
- Excellent adhesion & aggressive Tack
- Easily applied at normal & low temperatures
- Flexible – will not crack or peel
- Anti-Corrosive
- Resistant to mold, fungus & bacterial growth
- Fire Resistant
- Paintable – can be used under water-based decorative paint finishes. Not to be used with oil-based paints

PACKAGING:

Available in 5-gallon (18.9L) pails, 1-gallon (3.785L) cans and 1-quart (946ml) cans.

PERFORMANCE & COMPLIANCE:

- ASTM E 96-05 - STANDARD TEST METHODS FOR WATER VAPOR TRANSMISSION OF MATERIALS
- ASTM C 1306-08 - STANDARD TEST METHOD FOR HYDROSTATIC PRESSURE RESISTANCE OF A LIQUID-APPLIED WATERPROOFING MEMBRANE
- CAN/ULC-S102 – STANDARD METHOD OF TEST FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS AND ASSEMBLIES
- Provide a Complete Non-Permeable Air Barrier in Compliance With ASTM E-2178
- No Fungal Growth in Compliance with ASTM D5339
- Provide > 800% Ultimate Elongation

WHERE TO USE:

BondTAC™ S-1430 will adhere building components to virtually any surface, including rigid polystyrene insulation, where it provides a protective, waterproof barrier. Use S-1430 on exterior and interior concrete and concrete block walls to protect from moisture and water infiltration where exterior application is not readily accessible. Surface must be dry at time of application. BondTAC must penetrate a dry, porous surface in order to prevent further moisture and water infiltration.

This product's adhesive characteristics make it to suitable to adhere rigid polystyrene insulation (such as XPS) to sheathing boards and other substrates.

Materials and components applied to Bondtac coated surfaces will adhere instantly and permanently.

BondTAC™ 800S Diluent and Surface Lubricant will permit adjustments to attain the proper fit of components and boards. Allow a minimum of one hour drying time after application of BondTAC™ S-1430, and then apply a sparing coat of BondTAC™ 800S to the surface of the BondTAC™ S-1430, using a brush or paint roller. Slide and fit the board or component into place within five minutes of BondTAC™ 800S application.

Apply BondTAC™ S-1430 to all interior and exterior sheathing boards, including gypsum wall board, glass-mat sheathing, Dens Glass, masonry, concrete, wood, fiberglass, metal surfaces, roofing components and shingles, window and door framing and sills to produce a water & vapor barrier.

BondTAC S-1430 may be used as an excellent primer for self-adhered air and vapor barrier systems, components and membranes over porous and non-porous substrates. Provides an excellent crack isolation barrier for shower enclosures, shower pans and tub surrounds.
BondTAC™ S-1430 will adhere most construction materials to virtually any substrate. This includes, but is not limited to, laps of polyethylene sheets, EPS & XPS foamboard, housewraps, ICF, wood, metal and gypsum board.

BondTAC™ S-1430 may also be used as a corrosion protective primer for all metal components, fasteners, sheet metal, etc. In applications where a topcoat finish is desirable, any protective coating may be used with the following exceptions: Oil-based enamels and varnishes are not suitable for use with Bondtac™ waterproofing products.

Proper Application Methods for BondTAC S-1430

When applying BondTAC waterproofing membranes, there are a few required preparatory steps.

- **The surface MUST be clean.** BondTAC will adhere permanently to whatever it is applied to, including dust and loose debris on the application surface.
- **The surface MUST be completely dry.** BondTAC repels water, and will not bond properly with a damp or wet surface.
- **Make sure all gaps and holes are filled in.** BondTAC is a thin membrane, and is not designed to fill gaps, spaces, or holes. Use an acrylic-based patching compound or mastic to fill in any applicable areas, and wait for it to **FULLY CURE / DRY** before applying BondTAC. BondTAC can be used over hairline cracks.
- **ONLY use acrylic-based products with BondTAC.** Only acrylic-based paints, thin sets, etc. may be applied to the BondTAC surface. BondTAC will bond powerfully with any substrate (even low-energy non-stick surfaces such as Teflon!), but it will not bond with oil-based products or coatings.

Application Instructions: Please read entire instructions before using BondTAC:

Open all windows and doors to prevent buildup of vapors. Keep away from heat, sparks or open flame. Do not smoke. Extinguish all flames and pilot lights. Turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors have dissipated. Do not use in areas where static electrical sparks may be generated. Keep container tightly closed when not in use. Store in a cool, dry place.

Surfaces to be coated must be sound and clean, dry and free from dust, dirt, grease oil and other foreign matter.
Once the surface is ready for the application of BondTAC, you need to determine how many coats of BondTAC will be needed.
A non-porous surface, such as fiberglass sheathing board (ex. DensGlass), or metal will require only one coat of BondTAC, while a porous surface such as cement board, drywall or concrete will require two coats. Use a paint-grade roller and / or brush to apply BondTAC.
After the first coat is applied, allow it to cure for 45 minutes to 1 hour, depending on ambient temperature and humidity, before applying the second coat.
Make sure to use only a thin coat (per coat) – BondTAC achieves its full capacity at a 4-5 mil thick coat (or 8-10 mil thick for two coats) when cured.
BondTAC requires 24 to 48 hours to cure before applying any surfacing product, such as thin set or paint.
If you are using BondTAC to bond solid items together, such as XPS insulation board to a cement wall, or plywood to a concrete subfloor, you will need to coat both surfaces with BondTAC, wait 30-45 minutes or longer per coat at ambient room temperature for the BondTAC surface to begin to get tacky, and then press the surfaces together firmly and evenly. BondTAC-coated surfaces can be bonded up to two days after application (in this case, cover both surfaces with parchment paper to protect them from dust and other airborne contaminants).
If adjustments will need to be made, use either BondTAC 800 or 800S Diluent & Surface Lubricant. Once the two surfaces have been properly coated with BondTAC, apply a thin coat of the surface lubricant (800 for BondTAC 1500, and 800S for BondTAC S-1430). Once the surface lubricant has been applied, the object being bonded can be maneuvered for 5 to 10 minutes before the bond becomes active.

CLEAN UP:

Use BondTAC 800S Diluent & Surface Lubricant when necessary, to thin the coating, to clean tools and clean up spills and remove excess product.

PRODUCT PROPERTIES:

Non-Volatiles	43%
Viscosity	400-600 cps
Specific Gravity	0.83 (@ 26°C)
Tack-up Time	1 hour
Coverage	225 – 500 sq. ft. per gallon (depending on the porosity and texture of the application surface)

BONDTAC

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