BONDTAC 1500™

LOW–VOC WATERPROOF ELASTOMERIC ADHESIVE MEMBRANE

DESCRIPTION:

BondTAC™ 1500 is a specially formulated, Low-VOC, Waterproof Elastomeric Membrane and Adhesive Coating.

FEATURES & BENEFITS:

- LOW-VOC
- Effective barrier against moisture, air, vapor & water transmission
- Waterproof – Repels Water!
- Fire Resistant
- Resistant to mold, fungus & bacterial growth
- Aggressive Tack – quick setting
- Sticks to virtually any surface
- Easily applied at normal & low temperatures
- Flexible – will not crack or peel
- 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 VAPOUR 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
- 40 CFR 51.100 - U.S. ENVIRONMENTAL PROTECTION AGENCY DEFINITION OF VOC EXEMPTION
- SOR-2009/264 - VOC CONCENTRATION LIMITS FOR ARCHITECTURAL COATINGS
- 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™ 1500 may be applied to interior surfaces, such as basement walls and floors and exterior cavity walls to prevent air infiltration, vapor transmission and water penetration.

Use 1500 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.

Apply coating to masonry, concrete, cement board, gypsum board, all exterior sheathing boards, such as Dens Glass® and glass-mat sheathing, aluminum, steel, wood substrates, roofing components and shingles; window and door framing and sills to produce a water & vapor barrier.

BondTAC™ 1500 may be used as a waterproofing adhesive membrane for concrete, stone and other multipurpose applications where the use of an elastic waterproofing membrane is required to minimize water penetration of surfaces subject to hairline cracks.

BondTAC™ 1500 provides an excellent crack isolation barrier for shower enclosures, shower pans and tub surrounds. It may also be used as an excellent primer for self-adhesive air & vapor barrier membranes, systems or components over porous and non-porous substrates and as a primer to enhance the adhesion of silicone and polyurethane sealants.

BondTAC™ 1500 may be used to adhere virtually any substrate to each other, including, laps of polyethylene sheets, housewraps, wood, metal, gypsum board and most other construction materials. See the section on limitations.

BondTAC™ 1500 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 exception: Oil-based enamels and varnishes are not suitable with BondTAC™ waterproofing products.

When dry, this product's adhesive characteristics will allow it to be used to adhere rigid polystyrene insulation to sheathing boards, concrete and other surfaces.

Proper Application Methods for BondTAC 1500

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.

LIMITATIONS:

BondTAC 1500 is not recommended for use with foam rubber and polystyrene insulation. Solvent in the product will attack rigid polystyrene insulation (XPS Board). Use BondTAC S-1430 with XPS board.

CLEAN UP:

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

PRODUCT PROPERTIES:

Non-Volatiles	50%
Viscosity	400-600 cps
Specific Gravity	0.97 (@ 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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