

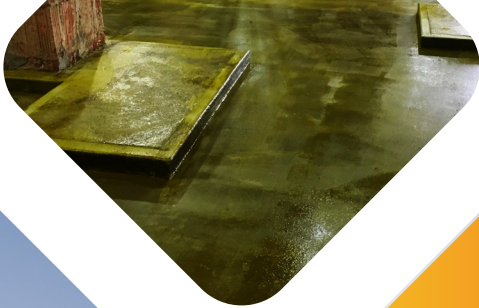


# DATA SHEET

## **BOND**TAC 1500™

LOW-VOC WATERPROOF ELASTOMERIC ADHESIVE MEMBRANE







# BOND TAC 1500™

LOW-VOC WATERPROOF ELASTOMERIC ADHESIVE MEMBRANE

## DESCRIPTION:

BondTAC™ 1500 is a specially formulated, low-VOC, waterproof elastomeric membrane and adhesive coating.

## FEATURES & BENEFITS:

- Hydrophobic – Waterproof & Water Repellant
- Hydrostatic Pressure Resistant – Exceeds 45psi in Accordance with ASTM C 1306-08
- Air & Vapor Barrier
- Elastomeric – Flexible & Stretches
- Powerful Adhesive & Aggressive Tack
- Prevents Rust & Corrosion
- Easily Applied at Normal & Low Temperatures
- Sticks to Virtually Any Surface (No Primer Needed)
- Resistant to Mold, Fungus, & Bacterial Growth
- Fire Resistant
- Low VOCs
- Paintable – Can Be Used Under BondTAC™ Brand Products or Latex (Water) Based Paint Finishes. Not to Be Used with Oil-Based Products.

## INSTALLATION/APPLICATION



BRUSH



LONG NAP ROLLER  
FOR ROUGH SURFACES



SHORT NAP ROLLER  
FOR SMOOTH SURFACES

## 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 Test Method 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 Limites for Architectural Coatings

## PACKAGING

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

## 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 BondTAC™ 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™ 1500 must penetrate a dry, porous surface in order to prevent further moisture and water infiltration.

Apply BondTAC™ 1500 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. See Application Instructions for detailed information.

When dry, BondTAC™ 1500's adhesive characteristics will allow it to be used to adhere rigid polystyrene insulation.

# 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 Temperature Range:** BondTAC™ 1500 can be applied in temperatures ranging from sub-zero to extremely hot. In extremely cold or hot environments, typically below 20°F (-6.7°C) or above 100°F (37.8°C), it may be necessary to add the appropriate BondTAC™ diluent: BondTAC™ 800 Diluent & Surface Lubricant. For details, see Application Instructions below.

## Application Instructions: Please read entire instructions before using BondTAC™ 1500:

**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 application, you need to determine how many coats of BondTAC™ 1500 will be needed. A non-porous surface, such as fiberglass sheathing board (ex. DensGlass), or metal will require only one coat of BondTAC™ 1500, 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™ 1500. For smooth surfaces, a short nap roller is recommended, such as 1/4-inch nap. For rougher surfaces, use a longer nap roller to ensure that coverage is seamless.

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™ 1500 achieves its full capacity at a 5 mil thick coat (or 10 mil thick for two coats) when cured.

BondTAC™ 1500 requires 24 to 48 hours to cure before applying any surfacing product, such as thin set or latex paint. This excludes BondTAC™ brand coatings, which can be applied in one hour after the final coat of BondTAC™ 1500 has been applied.

If using a non- BondTAC™ brand product, it is recommended that a small area is tested for compatibility. After the BondTAC™ 1500 has fully cured, apply a small amount of the surfacing product. If the product cures normally, it is compatible. If it merges with the BondTAC™ 1500 and both become gummy, it is not compatible.

If you are using BondTAC™ 1500 to bond solid items together, such as plywood to concrete or fiberglass sheathing board to plywood, you will need to coat both surfaces with the appropriate number of coats of BondTAC™ 1500, wait at least thirty (30) minutes at ambient room temperature, and then press the surfaces together firmly and evenly. If the BondTAC™-coated surface is left exposed for too long and is no longer tacky due to dust or other airborne particles collecting on the surface, simply apply one additional thin coat of BondTAC™ 1500 to restore the tack. The new coat will bond permanently with the existing coats.

If adjustments will need to be made, use BondTAC™ 800 Diluent & Surface Lubricant. Once the two surfaces have been properly coated with BondTAC™ 1500, apply a thin coat of BondTAC™ 800 Diluent & Surface Lubricant. Once BondTAC™ 800 Diluent & Surface Lubricant has been applied, the object being bonded can be maneuvered for 5 to 10 minutes before the bond becomes active.

In extremely cold or hot environments, it may be necessary to add some BondTAC™ 800 Diluent & Surface Lubricant to the BondTAC™ 1500. This will adjust the viscosity to make it easier to roll or brush the BondTAC™ 1500. BondTAC™ 1500 cannot freeze, but in very cold temperatures, the viscosity will change slightly. In extremely hot environments, BondTAC™ 1500 will cure faster, so the addition of BondTAC™ 800 Diluent & Surface Lubricant will make it easy to roll or brush the BondTAC™ 1500 before the solvents begin to evaporate. In either case this should be determined at the job site, based on the actual circumstances encountered by the application team and the site supervisor.

## LIMITATIONS:

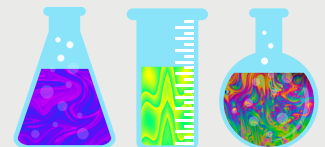
BondTAC™ 1500 is NOT recommended for use with foam rubber, XPS, EPS, or Styrofoam insulation. Solvent in the product will attack and damage / destroy these materials. Use BondTAC™ S-1430 with all types of rigid & non-rigid foam products and materials.

## 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:	52%
Viscosity	400-600 cps
Specific Gravity	0.97 (@ 26°C)
Tack-up Time	1 hour
Coverage	225 – 500 sq. ft. per gallon, per coat (depending on the porosity and texture of the application surface) Typical porous surface coverage: 130 – 140 square feet per gallon, both coats applied, on smooth cement. Typical non-porous surface coverage: 450 – 500 square feet per gallon, single coat, on sheet metal.











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