

PRODUCT DATA SHEET
BRITE-n-EZ® WHITE
TPO MEMBRANE



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Description: BRITE-n-EZ® White TPO is a premium, single-ply thermoplastic polyolefin (TPO) sheet and is formulated with additional flame retardant. Physical properties of the membrane are enhanced by strong polyester fabric that is encapsulated between the TPO based top and bottom plies. The combination of the fabric and TPO plies provides high breaking and tearing strength, as well as excellent puncture resistance. The relatively smooth surface is excellent to make a good bond with adhered to the roofing substrate.

Suggested Uses: BRITE-n-EZ® White TPO Membrane is designed for both new roof and re-roof applications.

Sizes: RUBBERALL® White TPO Membrane is stocked in both 060 and 045 thickness in 10' x 100' rolls. Additional sizes can be special ordered.

Product Benefits:

- Outstanding puncture resistance
- Environmentally friendly and stable formulation
- Excellent resistance to impact and low temperatures
- Excellent chemical resistance to acids, based and restaurant exhaust emissions
- Excellent resistance to heat, solar UV, ozone and oxidation
- Manufactured using a hot-melt extrusion process for the complete scrim encapsulation

Typical Properties & Characteristics ASTM D6878 Requirements

Property Type	Specification	Test Results
Breaking Strength -ASTM D751	220 lbf (976 kN) min.	≥ Specification
Tearing Strength – ASTM D751	55 lbf (245 N) min.	≥ Specification
Brittleness Point – ASTM – D2137	-40°F max.	≥ Specification
Tolerance on Nominal Thickness % – ASTM D751	+15, -10	≥ Specification
Thickness over Scrim – ASTM 7635	0.015 in./ 0.280 mm	≥ Specification
Elongation Break of Reinforcement % - ASTM D751 (grab method)	15 min	≥ Specification
Properties after Heat Aging ASTM D573, 32 weeks @ 240°F or 8 wks @ 275° F	PASS, no cracking, +/- 1.5 max	≥ Specification
Typical Weights (lb / ft ²)	045 - 0.25; 060 – 0.33	

Application Instructions:

1. BRITE-n-EZ® TPO Membrane cannot be adhered directly to the existing substrate in reroofing applications. The existing roof should be cleared of all loose gravel, ballast and debris.
2. BRITE-n-EZ TPO Membrane is much stiffer than EPDM membranes that many contractors are familiar with. For that reason, it is simpler and improves productivity if the seaming process is completed in conjunction with the process of adhering the membrane.

3. With the first membrane panel adhered on the lowest point of the roof, subsequent rolls are set in place going up the slope with a minimum of 3” overlap.
4. Use Rubberall®/BRITE-n-EZ® Water Based Bonding Adhesive, by applying the adhesive to both the back of the membrane and also apply to the roof substrate. Apply with a medium nap roller and allow the adhesive to dry until it is tacky (not wet) before mating the two surfaces.
5. Refer to the BRITE-n-EZ® installation guide on our website to see more details of installation instructions and details for installing subsequent sheets of TPO and roof details. <https://watertighttech.com/britenez/installation-manual>
6. Both halves of the sheet should be slowly pushed into place from the center of the sheet and then after secured in place, broom and roll membrane panel to insure solid contact between the membrane and substrate.
7. When mating subsequent sheets of TPO membrane, be sure no Bonding Adhesive is applied in the 3” seam area. When mating two sheets of bonded membrane be sure that BRITE-n-EZ® Tape Primer is scrubbed into the 3” overlap area, on the higher sheet, with a Rubberall® Scrub Pad with a back and forth motion. Wait for the Seam Tape Primer/Activator to dry to a slightly tacky “dry finger touch”.
8. Partially unroll a roll of seam tape and attach the tape on the back side of the upper panel with the backing paper aligned with the 3” marks on the membrane. It is important that you see seam tape exposed beyond the end of the membrane panel. With your hand, rub the tape to insure good contact with the membrane. (Do not remove the release paper at this time.) Next scrub Tape Primer in the 3” section of the lower sheet of membrane and allow to dry to a “dry finger touch” and then allow the top sheet with the seam tape applied, to flop down onto the lower sheet.
9. When the two sheets are firmly bonded to the substrate, raise the edge of the membrane and pull the seam tape release paper liner from the seam area. Always pull the seam release paper at 45 degree angle while brushing the seam area hand to insure even contact with the two sheets. With firm pressure, roll the entire seam area with a Rubberall® Steel Hand Roller both lengthwise and then across the seam.

Recommended Storage: BRITE-n-EZ® White TPO Membrane should be stored in original wrappers and will not degrade in normal warehouse storage; however, it is recommended to store at temperatures between 60° F and 80° F.

NOTE: TECHNICAL INFORMATION AND DATA SHOULD BE CONSIDERED REPRESENTATIVE OR TYPICAL ONLY AND SHOULD NOT BE USED FOR SPECIFICATION PURPOSES.

User’s Responsibility

This Product Data Sheet cannot cover all possible situations which the user may experience during product application/processing. Each aspect of your operations should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers, along with the applicable MSDS sheet. It is your responsibility to use this information to develop appropriate work practice guidelines and employee instructional programs for your operation.

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