

## TECHNICAL DATA SHEET

Blazelok™ TBX is a water based, fire protection, intumescent coating. 11 dry mils of Blazelok TBX applied over Heatlok Soy®, Demilec APX™, or Sealection® 500, or 15 dry mils over Agribalance® meets building code requirements as an interior finish tested in accordance with NFPA 286. The use of Blazelok TBX omits the code prescribed thermal barrier over these products. Blazelok TBX meets the USDA guidelines for incidental food contact when dry.

ASTM E 84 Test Results	Flame Spread < 25, Smoke Developed < 50
Protective Properties (per NFPA 286)	Compliant with the 2006 IBC Section 803.2, the 2009 & 2012 IBC Section 803.1.2.1 and the NFPA 101 paragraph 10.2.3.7.2 as an interior finish for use without a prescriptive thermal barrier.
Volatility / VOC	< 50 g/l - Complies with LEED, AQMD and EPA VOC requirements
Solvents	Water Based - Caution: Do not thin this material.
Toxicity	Non - Toxic
Weight per Gallon	11.2 - 11.8 lbs.
Solids by Volume	58 - 62%
Color	White/Gray
Wet Film / Coat to DFT	Heatlok Soy - 17 mils wet dries to 11 mils dry film thickness (DFT), nominal. Demilec APX - 17 mils wet dries to 11 mils dry film thickness (DFT), nominal. Sealection 500 - 17 mils wet dries to 11 mils dry film thickness (DFT), nominal. Agribalance - 23 mils wet dries to 15 mils dry film thickness (DFT), nominal.
Recommended Final DFT	Heatlok Soy - 11 mils to comply with the 2006, 2009 & 2012 IBC and IRC. Demilec APX - 11 mils to comply with the 2006, 2009 & 2012 IBC and IRC. Sealection 500 - 11 mils to comply with the 2006, 2009 & 2012 IBC and IRC. Agribalance - 15 mils to comply with the 2006, 2009 & 2012 IBC and IRC.
Foam Cure Time Prior to Application of Coating	1.5 hours. Use a brush to touch up the coating in the unlikely event the foam sets back from the substrate after the coating is applied. This setback could potentially cause the coating to develop a crack a few mils wide intermittently along the foam's edge.
Dry Times	Dry to touch - 2 to 3 hours depending on humidity/temperature. Humidity above 50% RH has a significant impact on drying time. Thicker than recommended wet thicknesses will adversely affect the drying time.
Recommended Equipment	Graco® 695/ASM 2100 3300 psi with spray gun tip model number RAC 525, LTX 525 or larger. Hose size: use 1/4" dia. last 50' to gun, additional lengths of hose use minimum 3/8" dia. to minimize pressure loss. Remove pump and gun filters prior to spraying.
Coverage	Up to 92 ft²/gal at 11 mils DFT over Heatlok Soy Up to 85 ft²/gal at 11 mils DFT over Demilec APX and Sealection 500 Up to 83 ft²/gal at 15 mils DFT over Agribalance Coverage rates will be reduced on foam with large undulations or rough surfaces.
Minimum Temperatures	Storage Temperature = 45°F (7°C) / Application Temperature = 70°F (21°C) Use infrared gun to confirm temps.
Fungus / Mold Resistance	No mold growth per ASTM D 3273 test.
High Humidity Environments	Contact Demilec's Building Science Department for technical assistance.

**Note:** Please contact your local Demilec Technical Service Representative for assistance regarding the installation of this product.

**Disclaimer:** The information herein is to assist customers in determining whether our products are suitable for their applications. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute a warranty, expressed or implied, including any warranty of merchantability or fitness, nor is protection from any law or patent inferred. All patent rights are reserved. The foam product is combustible and must be protected in accordance with applicable codes. Protect from direct flame and spark contact, around hot work for example. The exclusive remedy for all proven claims is replacement of our materials.

