

TECHNICAL DATA SHEET

Blazelok™ IB4 is a water based, fire protection, intumescent coating. 3 mils of Blazelok IB4 applied over Sealection® 500 or 5 mils over Agribalance® complies with the ICC-ES, AC377, Appendix X as an ignition barrier substitute for use in attics and crawl spaces. Refer to Evaluation Service Reports 1172 & 2600 for application compliance. Blazelok IB4 meets the USDA guidelines for incidental food contact when dry.

ASTM E 84 Test Results	Flame Spread = 0, Smoke Developed = 20
Protective Properties (per NFPA 286)	Compliant with the AC377, Appendix X as an ignition barrier substitute over Sealection 500 and Sealection Agribalance spray polyurethane foams.
Volatility / VOC	< 50 g/l - Complies with AQMD and EPA requirements
Solvents	Water Based - Caution: Do not thin this material.
Toxicity	Non - Toxic
Weight per Gallon	10.3 - 10.7 lbs.
Solids by Volume	51 - 54%
Color	White
Wet Film / Coat to DFT	Sealection 500 - 5 mils wet dries to 3 mils dry film thickness (DFT), nominal. Agribalance - 9 mils wet dries to 5 mils dry film thickness (DFT), nominal.
Recommended Final DFT	Sealection 500 - 3 mils to comply with AC377, Appendix X Agribalance - 5 mils to comply with AC377, Appendix X
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 521 or LTX 521 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 320 ft ² /gal at 3 mils DFT over Sealection 500 Up to 200 ft ² /gal at 5 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.

