



REINFORCED THERMOPLASTIC PANELS

Product Code: **BX Series**

APPLICATION:

Thermo-Composite Panels for Interior Walls

PRODUCT DESCRIPTION:

BULITEX BX Series is a thermoplastic composite material comprised of polypropylene resin reinforced with continuous woven glass fibers to create high impact resistant panels. It resists rot, corrosion and mildew and is not affected by cleaning-related chemicals. The thermoplastic properties of Bulitex BX Series provide maximum energy absorption, reducing cracks and punctures, and exhibits thermal expansion similar to aluminum. Evenly distributed physical properties are attributed to its woven glass matrix. Bulitex is easily repaired by applying low heat.

TECHNICAL DATA:

Property	Units Typ value	BX 0.100 Typ value	BX 0.120 Typ value	BX 0.160 Typ value	BX 0.200 Typ value	Test Method
Multi-Axial Impact Strength	ft-lbs	18.8	24.6	42.4	56.1	ASTM D3763
Notched Izod Impact Strength	ft-lbs	30	30	30	30	ASTM D256
Flexural Strength	10 ³ psi	40	40	40	40	ASTM D790
Flexural Modulus	10 ⁶ psi	1.6	1.6	1.6	1.6	ASTM D790
Tensile Strength	10 ³ psi	42	42	42	42	ASTM D638
Tensile Modulus	10 ⁶ psi	1.8	1.8	1.8	1.8	ASTM D638
Tensile Elongation	%	2.9	2.9	2.9	2.9	ASTM D638
Specific Gravity		1.5	1.5	1.5	1.5	
Coefficient of Linear Thermal Expansion	10 ⁻⁵ /°F	1	1	1	1	
Thermal Conductivity (K)	Btu-in/hr-ft ² -°F	0.54	0.54	0.54	0.54	
Nominal Thickness	in	0.100	0.120	0.160	0.200	
Nominal Weight	lbs/ft ²	0.81	0.93	1.24	1.56	
Width	in	12, 24, 48 & 96*	12, 24, 48 & 96*	12, 24, 48 & 96*	12, 24, 48 & 96*	
Lengths		Cut to size* or coils to 600'	Cut to size* or coils to 600'	Cut to size* or coils to 600'	Cut to size* or coils to 600'	
Color: Side 1/Side 2		White/ Natural	White/ Natural	Natural/ Natural	Natural/ Natural	
Finish		Smooth	Smooth	Smooth	Smooth	

*Subject to minimum order quantities.

MATERIAL SPECIFICATIONS:

BULITEX BX Series is a multi-layered, woven fiber thermoplastic composite manufactured by a continuous laminating process in lengths as specified. Technical data are presented in the table on the front of this sheet. Finished panel quality shall consist of a smooth, woven finish on both sides.

1. Dimensions shall be as specified on the purchase order, subject to the following tolerances:

- Width: +/-1/8"
- Length: +/-1/8" up to 12'; +1/4" from 12' to 40'; bulk coil -0"/+ 1%
- Thickness: -0/+0.010"
- Squareness: 1/8" in 4'

PACKAGING AND SHIPPING:

1. Shipped in cut sheets or coils up to 600' on cardboard or plastic cores, wrapped in plastic and shipped on pallets.

FABRICATION AND INSTALLATION RECOMMENDATIONS:

Bulitex BX Series can be sheared, sawed, routed and drilled.

Cutting: Bulitex BX Series can be cut with a circular saw with a carbide-tipped blade.

Production Fabricating: Use carbide-tipped tools. Straight cuts can be sheared or sawed. For irregular cuts, use a die punch or band saw.

Fasteners: It is advisable to install Bulitex BX Series with mechanical fasteners. Self-drilling and self-tapping specialty screws are available from US Liner.

Note: Caution must be used when cutting banding off coil due to spring-back of material. Always protect eyes with goggles; cover nose and mouth with a filter mask when cutting Bulitex panels.

STORAGE:

It is recommended that all Bulitex products be stored indoors. If outdoor storage is necessary, US Liner recommends covering to protect from weather.

NOTICE OF ACCEPTABILITY:

Bulitex BX Series provides a smooth, clean, aesthetically pleasing finished installation. Occasional processing marks are a common manufacturing occurrence and do not affect the quality or functionality of the product. Due to the interwoven nature of Bulitex raw materials, infrequent porosity may exist due to weave distortion. This porosity does not affect the strength or impact protection of the material. US Liner tags irregular areas of weave distortion. We recommend tagged areas be cut out prior to installation. US Liner must be notified within one (1) business day of any Bulitex panels deemed unacceptable in appearance. Upon verification of unacceptability, US Liner will replace that portion of the material and related freight, but not labor, handling or installation expenses.

NON-WARRANTY:

All information supplied by or on behalf of USLCO in relation to its products, whether in the nature of date, recommendations or otherwise, is supported by research and believed reliable, but USLCO assumes no liability whatsoever in respect of application, processing or use made of the aforementioned information or products, or any consequence thereof. The buyer undertakes all liability and USLCO recommends conducting real-world tests to verify the suitability of its products before using them in any application. No liability whatsoever shall attach to USLCO for any infringement of the rights owned or controlled by a third party in intellectual, industrial or other property by reason of the application, processing or use of the aforementioned information or products by the buyer.



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