



REINFORCED SANDWICH CONSTRUCTED THERMOPLASTIC SHEET

Product Code: EX Series

APPLICATION:

Thermo-Composite Panels for Interior Walls

PRODUCT DESCRIPTION:

ECOTEX EX Series is a reinforced sandwich constructed thermoplastic composite manufactured by laminating Versitex skins on to a chopped long fiber polypropylene and glass core. This low cost, 100% GREEN sheet offers excellent impact resistant and exhibits thermal expansion similar to aluminum. Ecotex panels provide significant energy absorption over traditional thermoset FRP and wood panels. It also resists rot, corrosion, and mildew and is not affected by cleaning related chemicals. Ecotex can easily be repaired by applying low heat.

TECHNICAL DATA:

Property	Units	Ecotex EX 180 Typical value	Test Method
Total Energy	ft-lbs	30.4	ASTM D3763
Tensile Strength	PSI	33,500	ISO-R527
Tensile Modulus	PSI	1.5x10 ⁶	ISO-R527
Tensile Elongation	%	2.6	ISO-R527
Specific Gravity		1.4	
Coefficient of Linear Thermal Expansion	10 ⁻⁶ /°F	10	
Thermal Conductivity (K)	Btu-in/hr-ft ² -°F	0.54	
Water Absorbtion	.06%/24 hrs @ 77°F		ASTM-D570
Standard Thickness	in.	0.180	
Nominal Weight	lbs/sq. ft.	1.24	
Standard Width	in.	12, 24, 48 & 96*	
Length		Cut to size* or coils to 600'	
Finish		White	

*Subject to minimum order quantities.

MATERIAL SPECIFICATIONS:

ECOTEX EX Series is a reinforced sandwich constructed 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.

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 53'; bulk coil -0"/+ 1%
Thickness: -.005/+0.020"
Squareness: 1/8" in 4'

PACKAGING AND SHIPPING:

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

FABRICATION AND INSTALLATION RECOMMENDATIONS:

Ecotex EX Series can be sheared, sawed, routed and drilled.

Cutting: Ecotex EX 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 Ecotex EX Series with mechanical fasteners.

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 Ecotex panels.

STORAGE:

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

NOTICE OF ACCEPTABILITY:

Due to the recycled core, the finished Ecotex panel may consist of some cosmetic imperfections on both sides which do not affect the quality or functionality of the product. There also may be some thickness variations throughout the sheet beyond the specified thickness tolerances. US Liner must be notified within one (1) business day of any Ecotex panel defects. 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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