

EX-TREME™ HL13 FABRENE®

Ultra-Tough & Smooth Engineered Shelter Fabric

EX-TREME™ HL-13 is a high-performance polyethylene membrane. Its durable, pinhole-resistant surface offers superior smoothness and aesthetics resulting in a premium structure.

EX-TREME™ HL-13 utilizes **Fabrene's HYDRA-LOC™** weaving technology, which eliminates weak areas found in conventional scrims, creating a smooth, flat surface, and providing uniform light transmission. This smooth surface easily sheds dirt, rain, and snow as well – resulting in a structure that looks great year after year.

Fabrene's EX-TREME™ technology produces a more uniform surface coating and colour, improves the welding process, and provides exceptional crack-resistance. **EX-TREME™** products are engineered to perform better and longer than other polyethylene shelter fabrics.



Images supplied by Accu-Steel Inc.

FABRENE®

For the Best in Shelter Fabrics, Trust the Original!

EX-TREME™ HL13

Engineered Shelter Fabric

TECHNICAL DATASHEET

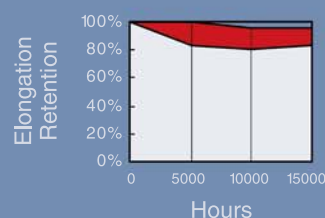
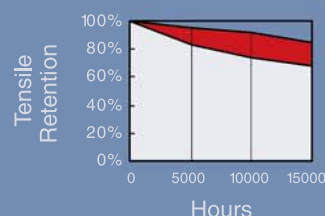
FABRENE®

PRODUCT FEATURES

- Smooth surface finish
- Superior pinhole resistance
- Exceptional hydrostatic resistance
- Protective surface will not crack when folded
- Significantly lower heat sealing temperature
- Made with innovative **HYDRA-LOC™** technology

UV ASTM G154

- 70% tensile retention after 15,000hrs QUV³
- 80% elongation retention after 15,000hrs QUV³
- No surface cracking up to 15,000hrs QUV³



MSMA

PGI-Fabrene Inc is a proud member of the Membrane Structures Manufacturers Association.

INTRODUCTION

FABRENE® EX-TREME™ HL13 membranes offer improved protection over traditional polyethylene shelter covers and raises polyethylene performance to new limits. The tough and durable surface of **EX-TREME™ HL13** sheds water and snow with ease. The smooth surface improves contact between bonding surfaces for more effective, energy-efficient heat sealing. This innovative fabric made with **HYDRA-LOC™** technology also offers uniform light transmittance and superior aesthetics.

TYPICAL PROPERTIES ¹		VALUE	TEST METHOD
Unit Weight		13.0 oz/yd ²	ASTM D3776
Nominal Thickness		24 mils	ASTM D5199
Tape Count	md	16 ends/in	ASTM D3775
	cd	16 ends/in	ASTM D3775
Grab Strength	md	450 lbf	ASTM D751
	cd	450 lbf	ASTM D751
Tensile Strength	md	105 lbf/in	ASTM D882
	cd	115 lbf/in	ASTM D882
Elongation at Break	md	23 %	ASTM D882
	cd	18 %	ASTM D882
Modulus of Elasticity ²	md	940 lbf/in	ASTM D882
	cd	760 lbf/in	ASTM D882
Elastic Limit	md	200 lbf/in	ASTM D882
	cd	200 lbf/in	ASTM D882
Tongue Tear	md	115 lbf	ASTM D2261
	cd	112 lbf	ASTM D2261
Trapezoid Tear	md	90 lbf	ASTM D4533
	cd	90 lbf	ASTM D4533
Hydrostatic Resistance		475 psi	ASTM D751MAP1
Mullen Burst		580 psi	ASTM D751
Thermal Resistance (R-Value)		0.06 °F-ft ² -h/Btu	ASTM C518-04
Life Cycle Factor	15,000hrs	0.70	ASTM G154
Light Transmission		19 %	ASTM E903/D1494
Flame Spread	CLASS A		ASTM E84
	CLASS A		CAN-ULC S102

COLOR AVAILABILITY

EX-TREME™ HL13

STANDARD COLOURS INCLUDE

WHITE

TAN

DARK BLUE

DARK GREEN

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ORDER DESK (888) FABRENE | (888) 322-7363 x226 | Fax: (705) 476-0665 | orderdesk@pginw.com

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¹ Not for specification purposes ² Elastic constant expressed per unit width ³ Based on actual results. © FABRENE is a registered trademark of Fabrene Inc.

