

TREMLOCK® LSP

PRODUCT INFORMATION

COMPOSITION:

TremLock LSP Roof System is a factory roll formed metal roof system designed with a 24gauge or 22gauge Galvalume panel. TremLock LSP panels are trapezoidal standing seam for projects with low slopes. The panel is coated with Kynar®500/ Hylar™5000. TremLock LSP panels are permanently field seamed together for a watertight seam.

BASIC USE:

TremLock LSP Roof System is designed for a minimum ¼" slope and can be used in new construction over an open span or in a retrofit construction over structural framing on an existing BUR or metal roof. TremLock LSP is best suited for simple slope roofs without dormers, hips, valleys, or other special conditions. TremLock LSP panel is machine seamed in the field.

APPLICATION DATA:

Refer to installation manual for all application data.

SYSTEM DESIGN:

All components of the TremLock LSP roof paneling system shall be designed with sound engineering methods and practices. Tremlock LSP roof panels shall be designed in accordance with AISI Specifications for the design of Light-Gage, Cold Formed Steel Structural members®, or CAN/CSA-S136 A Cold-Formed Steel Structural Members®, latest edition. Panel system shall be designed to support live loads. All end wall trim and roof transition flashings shall allow the roof panel to move relative to the wall panels and/or the parapets as the roof expands and contracts with temperature changes.

The Tremlock LSP roof panels shall not be considered to be a safe work platform until completely secured to the structural system. Therefore, the erecting contractor to provide worker safety during panel installation shall provide walk boards or other safety equipment as required by safety standards.

PANEL OPTIONS

Panel Width: 24"

Panel Length: From 4' - Up to 53'
Please inquire for longer lengths.

Minimum Slope: 1/4:12

Substrate: Galvalume®

Paint System: Kynar 500®

Gauge: 22 and 24

Factory applied sealant in seam to improve weathertightness.

Oil canning is a natural occurrence in metal panels and is not a cause for panel rejection.

ALLOWABLE LOADS (PSF)*												
Ga.	LIVE LOAD							DEFLECTION (IN)				
	3'	3.5'	4'	4.5'	5'	5.5'	3'	3.5'	4'	4.5'	5'	5.5'
24	257	189	145	114	93	77	.20	.23	.27	.30	.33	.37
22	360	264	202	160	130	107	.20	.23	.27	.30	.33	.37

1. Allowable loads are based on uniform span lengths and Fy of 50 KSI.
2. LL is allowable gravity load.
3. Deflection resulting from the load LL and is limited to L/180 of span.
4. Weight of the panel has not been deducted from allowable loads.

*TremLock LSP: For Section Properties and Loads call Engineering.

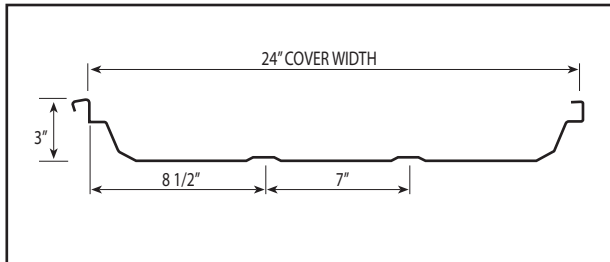
TremLock LSP

SECTION PROPERTIES								
Panel Gauge	Weight PSF	FY KSI	TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
			Ix IN.4	Se IN.3	Ma KIP IN.	Ix IN.4	Se IN.3	Ma KIP IN.
24	1.24	50	.3202	.1291	3.87	.1722	.0994	2.98
22	1.60	50	.4136	.1666	4.99	.2385	.1391	4.16

1. Section properties are calculated in accordance with the 1986 Edition of the Cold Formed Steel Design Manual.
2. Ix is for deflection determination.
3. Se is for bending.
4. Ma is the allowable bending moment.
5. All values are for one foot of panel width.

TremLock LSP TESTING

UL 90 -Uplift Test
Class A - Fire Rating
ASTM E 1680 - Air Infiltration
ASTM E 1646 - Water Infiltration
UL 2218 - Class 4 Impact Resistance



AVAILABILITY AND COST:

Contact your local Tremco Roofing Representative for pricing and availability. For the name and number of your Representative, call the Roofing Division at 216- 292-5000.

MAINTENANCE:

Your local Tremco Roofing Representative can provide you with effective maintenance procedures, which may vary depending on specific conditions. Periodic inspections, early repairs and preventive maintenance are all part of a sound roof program.

TECHNICAL SERVICES:

Your local Tremco Representative, working with the Technical Service staff, can help analyze conditions and need to develop recommendations for special applications. The services of the Tremco Research Center, which has earned a unique reputation in weatherproofing technology, complement and extend the services of the Tremco Technical Service Staff.

GUARANTEE/WARRANTY:

Tremco, Inc. Warrants the TremLock LSP Metal Roof System to be free of defects and to meet published physical properties when tested to ASTM and Tremco standards. Under this warranty, any product that is proved to be defective when applied in accordance with our written instructions, and if in applications recommended by Tremco as suitable for this product will be replaced with like product at no charge. THIS IS BUYERS SOLE AND EXCLUSIVE REMEDY. All claims concerning product defects must be made in writing within (12) months of shipment. The absence of such claims in writing during this period will constitute a waiver of all claims with respect to such product. This warranty shall be IN LIEU OF any other warranty, express or implied, including but not limited to, any implied warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

STATEMENT OF POLICY AND RESPONSIBILITY:

Tremco takes responsibility for furnishing quality materials and for providing specifications and recommendations for their proper installation. As neither Tremco itself or its Representatives practice architecture or engineering, Tremco offers no opinion on, and expressly disclaims any responsibility for the soundness of any structure on which its product is applied. If questions arise as to the soundness of a structure or its ability to support a planned installation properly, the owner should obtain the opinion of competent structural engineers before proceeding. Tremco accepts no liability for any structural failure or for resultant damages, and no Tremco Representative is authorized to vary this disclaimer.

Kynar 500 is a registered trademark of Elf Autochem North America, Inc.
Hylar 5000 is a registered trademark of Ausimont USA, Inc.
TremLock is a registered trademark of Tremco Incorporated

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