



ROOF SYSTEM ASSESSMENT REPORT DYNAMIC UPLIFT RESISTANCE PER CSA A123.21			
CLIENT:	SEAMAN CORPORATION	TEST DATE:	2019-09-17
DOCUMENT NO.	SMN-MARS-1	PUBLICATION DATE:	2020-02-04
TEST PANEL NO.	SMN-D4	REVISION NO.	1
SYSTEM TYPE:	D	REEVALUATION DATE:	2023-01-10

MECHANICALLY ATTACHED ROOFING SYSTEM (MARS) SUMMARY		
PERFORMANCE⇒	PASSING PRESSURE	WIND UPLIFT RESISTANCE (with SF of 1.5)
	124 psf (5.94 kPa)	83 psf (3.97 kPa)

COMPONENT	ALLOWABLE PRODUCTS	BY
MEMBRANE⇒	FiberTite (nominal 36 mil), FiberTite-SM (nominal 45 or 60 mil), FiberTite-XT (nominal 50 or 60-mil) or FiberTite XTreme (nominal 60-mil)	Seaman Corporation
ATTACHMENT:	<p>open-attachment configuration with parts spaced maximum 6-inch o.c. within the minimum 5-inch wide side laps spaced maximum 45-inch o.c. Laps sealed with minimum 1.5-inch heat weld</p> <p>"OPEN" LAP STYLE</p> <p>1-1/2" (4 cm)</p> <p>2" (5 cm)</p> <p>1-1/2" (4 cm)</p> <p>5" (13 cm)</p> <p>1-1/2" (4 cm)</p> <p>FACTORY or FIELD WELD</p>	
	FiberTite Magnum Fasteners with FiberTite Magnum-Plus Plates	Seaman Corporation
INSULATION, TOP LAYER⇒	Min. 1.5-inch FTR-VALUE A, FTR-VALUE or FTR-VALUE H Min. 1.5-inch ACFoam II Min. 1.5-inch ISOLEX A Min. 1.5-inch ENRGY 3 or Min. 1.5-inch H-Shield	Seaman Corporation Atlas Roofing Lexsuco 2010 Corp. Johns Manville Hunter Panels

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NEMO|etc.

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COMPONENT	ALLOWABLE PRODUCTS	BY
ATTACHMENT:	1 per 8 ft2 (4 parts per 4x8 ft board)	
	FiberTite #14 fasteners and FiberTite 3-in. Steel Plates Roogrip #14 with OMG 3 in. Ribbed Galvalume Plates or AccuTrac Flat Bottom Plates Dekfast DF-#14-PH3 fasteners with Dekfast PLT-3-R plates or Trufast #14 HD with Trufast 3" Metal Insulation Plates Lexgrip #14 Heavy Duty Fasteners with Lexgrip 3" Galvalume Steel Insulation Plates	Seaman Corporation OMG SFS intec Altenloh, Brinck & Co., U.S., Inc. Lexsuco 2010 Corp.
INSULATION, BASE LAYER⇒	One or more layer(s), min. 1.5-inch thick base insulation or min. 1.0 pcf IZOLON by FRANSYL or other expanded polystyrene meeting ASTM C578, acceptable to the Authority Having Jurisdiction	various
ATTACHMENT:	loose-laid	
VAPOUR BARRIER⇒	6-mil polyethylene or VaporTite	various Seaman Corporation
ATTACHMENT:	loose-laid or self-adhering	
THERMAL BARRIER⇒	(Optional) any type or thickness acceptable to the Authority Having Jurisdiction	various
ATTACHMENT:	loose-laid, adhered or mechanically attached	
DECK⇒	Minimum 22 ga. type B steel meeting ASTM A653, A792, A1008 or CSSBI 10M standards and having a yield strength of 275 MPa (40 ksi), or alternate steel deck providing the fastener withdrawal resistance noted below.	Various
FASTENER POINT-LOAD⇒	232 lbf (1032 N)	

END OF REPORT