



ROOF SYSTEM ASSESSMENT REPORT DYNAMIC UPLIFT RESISTANCE PER CSA A123.21			
CLIENT:	SEAMAN CORPORATION	TEST DATE:	2019-11-06
DOCUMENT NO.	SMN-MARS-2	PUBLICATION DATE:	2020-02-04
TEST PANEL NO.	SMN-D10	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)
	179 psf (8.57 kPa)	119 psf (5.70 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:	Open Lap configuration spaced 6-inch o.c. within the 5-inch wide side laps spaced 69-inch o.c. Laps sealed with 1.5-inch heat weld and...	
	Closed Attachment configuration with fasteners installed through the field of the sheet, spaced 6-inch o.c. in rows centered between the open-lap rows. Fastener rows covered with a 6-inch wide strip of FiberTite membrane, with 1.5-inch heat welds on both sides	
	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 Lexsuo 2010 Corp Johns Manville Hunter Panels

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NEMO|etc.

Page 2 of 2

COMPONENT	ALLOWABLE PRODUCTS	BY
ATTACHMENT:	Loose-laid or 1 per 8 ft ² (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⇒	VaporTite	Seaman Corporation
ATTACHMENT:	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⇒	257 lbf (1143 N)	

END OF REPORT