



ENGINEER

TEST

CONSULT

ROOF SYSTEM ASSESSMENT REPORT DYNAMIC UPLIFT RESISTANCE PER CSA A123.21			
CUSTOMER:	Seaman Corporation	TEST DATE:	2020-06-11
DOCUMENT NO.	SMN-AARS-1	PUBLICATION DATE:	2024-03-20
TEST PANEL NO.	SMN-D11	REVISION NO.	4
SYSTEM TYPE:	A-1	REEVALUATION DATE:	2026-07-20

ADHESIVE APPLIED ROOFING SYSTEM (AARS) SUMMARY		
PERFORMANCE ⇒	PASSING PRESSURE	WIND UPLIFT RESISTANCE (RESISTANCE FACTOR 0.65)
	105 psf (5.0 kPa)	70 psf (3.4 kPa)

COMPONENT	ALLOWABLE PRODUCTS	
	PRODUCT	ATTACHMENT
MEMBRANE ⇒	FiberTite, FiberTite-SM, FiberTite-XT or FiberTite Xtreme or	FTR-190e, contact application, 0.5 gal./sq. per surface or Alpha-Tite Bonding Adhesive, contact application, 0.83 to 1.0 gal./sq. per surface
	FiberTite FB, FiberTite-SM FB, FiberTite-XT FB or FiberTite XTreme FB	FTR-290 or FTR-390 at 1 gal./sq. or ICP Construction "APOC Polyset Commercial Roof Adhesive", spatter application
COVERBOARD ⇒	(Optional) Min. 0.25-inch Georgia Pacific "DensDeck Prime", National Gypsum "DEXcell FA Glass Mat Roof Board" or USG "SECUROCK Gypsum-Fiber Roof Board"	FTR-601, FTR-601 PG, HB Fuller "Millennium One Step Foamable Adhesive" or "Millennium PG-1 Pump Grade Adhesive" or Lexsuco "Insultac II Insulation Adhesive" or "Insultac II Pump Grade Insulation Adhesive", continuous ribbons, 6-inch o.c.
	Note: FTR-390 is not for use with DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	
INSULATION, TOP LAYER ⇒	Min. 1.5-inch x max. 4x4 ft FTR-Value, FTR-Value H, Atlas Roofing "ACFoam II", Hunter Panels "H-Shield" or Lexsuco "ISOLEX A"	FTR-601, FTR-601 PG, HB Fuller "Millennium One Step Foamable Adhesive" or "Millennium PG-1 Pump Grade Adhesive" or Lexsuco "Insultac II Insulation Adhesive" or "Insultac II Pump Grade Insulation Adhesive", continuous ribbons, 6-inch o.c.
INSULATION, BASE LAYER(s) ⇒	(Optional) One or more layers, min. 1.5-inch x max. 4x4 ft FTR-Value, FTR-Value H, Atlas Roofing "ACFoam II", Hunter Panels "H-Shield", Lexsuco "ISOLEX A", Atlas Molded Plastics "ThermalStar TS" or Fransyl "IZOSOL or IZOLON EPS"	FTR-601, FTR-601 PG, HB Fuller "Millennium One Step Foamable Adhesive" or "Millennium PG-1 Pump Grade Adhesive" or Lexsuco "Insultac II Insulation Adhesive" or "Insultac II Pump Grade Insulation Adhesive", continuous ribbons, 6-inch o.c.
VAPOUR BARRIER ⇒	VaporTite or	Self-adhering
	FiberTite-SBS TG Base or FiberTite-SBS 190 TG Base	Torch-applied
PRIMER ⇒	SOPREMA "ELASTOCOL Stick Zero" (for use with VaporTite)	at 1 gal./sq.
	ASTM D41 primer (for use with FiberTite-SBS TG Base or FiberTite-SBS 190 TG Base)	At 0.5 gal./sq.

ROOF SYSTEM ASSESSMENT REPORT, DYNAMIC UPLIFT RESISTANCE PER CSA A123.21

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COMPONENT	ALLOWABLE PRODUCTS	
	PRODUCT	ATTACHMENT
THERMAL BARRIER ⇒	Min. 0.75-inch USG “Structural Panel Concrete Roof Deck”	FTR-601, FTR-601 PG, HB Fuller “Millennium One Step Foamable Adhesive” or “Millennium PG-1 Pump Grade Adhesive” or Lexsuco “Insultac II Insulation Adhesive” or “Insultac II Pump Grade Insulation Adhesive”, continuous ribbons, 6-inch o.c.
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.	

NEMO ETC CREDENTIALS		
TYPE	ENTITY	REFERENCE
ISO/IEC 17025 Accreditation	International Accreditation Service (IAS)	TL-689
TAS 301 Certification	Miami-Dade	21-0409.01
Third Party Test Data Program	UL, LLC	DA2862
Test Lab Listing	Roofing Contractors Association of British Columbia	RCABC Labs

REPORT HISTORY			
DATE	EVENT	NOTES	AUTHORIZED BY:
2020-08-24	FINAL	After customer review	RN
2020-12-29	REV1	Add Insultac II Insulation Adhesive and Insultac II Pump Grade Insulation Adhesive Add ISOLEX A; Correct Option #2 membrane designations.	RN
2021-10-20	REV2	Add AlphaTite Bonding Adhesive; add IZOLON EPS	RN
2023-07-20	REV3	Renewal after verification	RN
2024-03-30	REV4	Add coverboard options	RN

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END OF REPORT