



ENGINEER

EVALUATE

TEST

CONSULT

| ROOF SYSTEM ASSESSMENT REPORT DYNAMIC UPLIFT RESISTANCE PER CSA A123.21 | | | |
|--|--------------------|--------------------|------------|
| CLIENT: | SEAMAN CORPORATION | TEST DATE: | 2020-02-12 |
| DOCUMENT NO. | SMN-AARS-5 | PUBLICATION DATE: | 2023-02-24 |
| TEST PANEL NO. | SMN-D12 | REVISION NO. | 3 |
| SYSTEM TYPE: | A-1 | REEVALUATION DATE: | 2026-02-24 |

ADHESIVE APPLIED ROOFING SYSTEM (AARS) SUMMARY

| PERFORMANCE⇒ | PASSING PRESSURE | WIND UPLIFT RESISTANCE (WITH SF OF 1.5; RESISTANCE FACTOR 0.67) |
|--------------|------------------|--|
| | 3.6 kPa (75 psf) | 2.4 kPa (50 psf) |

| COMPONENT | ALLOWABLE PRODUCTS | | BY |
|---|---|---|------------------------|
| MEMBRANE*⇒ | <u>Option #1</u> | <u>Option #2</u> | Seaman Corporation |
| | FiberTite, FiberTite-SM, FiberTite-XT or FiberTite XTreme | FiberTite FB, FiberTite-SM FB, FiberTite-XT FB or FiberTite XTreme FB | |
| <i>* Certified by ISO/IEC 17065 Certification Entity NEMO cert. to codified material standards.</i> | | | |
| ATTACHMENT: | <u>For Option #1</u> | <u>For Option #2</u> | Seaman Corporation |
| | 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 | FTR-290 or FTR-390 at 1 gal./sq. | |
| | | Polysat Commercial Roof Adhesive, spatter-application | ICP Construction, Inc. |
| INSULATION, TOP LAYER⇒ | max. 4 x 4-ft. x min. 1.5-inch thick | | |
| | FTR-Value or FTR-Value H | | Seaman Corporation |
| | ACFoam II | | Atlas Roofing |
| | H-Shield | | Hunter Panels |
| | IKOTerm | | IKO Industries |
| | ISOLEX A | | Lexusco 2010 Corp |
| ATTACHMENT: | FTR-601 | ribbons 12-inch o.c. | Seaman Corporation |
| | FTR-601 PG | ribbons 12-inch o.c. | Seaman Corporation |
| | Millennium One Step Foamable | ribbons 12-inch o.c. | H.B. Fuller |
| | Millennium PG-1 Pump Grade | ribbons 12-inch o.c. | H.B. Fuller |
| | Insultac II Insulation Adhesive | ribbons 12-inch o.c. | Lexusco 2010 Corp |
| | Insultac II Pump Grade Insulation Adhesive | ribbons 12-inch o.c. | Lexusco 2010 Corp |
| INSULATION, BASE LAYER(S)⇒ | Optional, one or more layers, max. 4 x 4-ft. x min. 1.5-inch thick | | |
| | FTR-Value or FTR-Value H | | Seaman Corporation |
| | ACFoam II | | Atlas Roofing |
| | H-Shield | | Hunter Panels |
| | IKOTerm | | IKO Industries |
| | ISOLEX A | | Lexusco 2010 Corp |
| | ThermalStar TS | | Atlas Molded Plastics |
| | Min. 1.0 lb/ft ³ IZOSOL or IZOLON EPS | | Fransyl |

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

CLIENT: SEAMAN CORPORATION PUBLICATION DATE: 2023-02-24
 DOCUMENT NO. SMN-AARS-5 REVISION NO. 3
 TEST PANEL NO. SMN-D12 REEVALUATION DATE: 2026-02-24
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| COMPONENT | ALLOWABLE PRODUCTS | | BY |
|------------------|---|----------------------|--------------------|
| ATTACHMENT: | FTR-601 | ribbons 12-inch o.c. | Seaman Corporation |
| | FTR-601 PG | ribbons 12-inch o.c. | Seaman Corporation |
| | Millennium One Step Foamable | ribbons 12-inch o.c. | H.B. Fuller |
| | Millennium PG-1 Pump Grade | ribbons 12-inch o.c. | H.B. Fuller |
| | Insultac II Insulation Adhesive | ribbons 12-inch o.c. | Lexusco 2010 Corp |
| | Insultac II Pump Grade Insulation Adhesive | ribbons 12-inch o.c. | Lexusco 2010 Corp |
| VAPOUR BARRIER⇒ | Option #1: VaporTite | | Seaman Corporation |
| | Option #2: FiberTite-SBS TG Base or FiberTite-SBS 190 TG Base | | Seaman Corporation |
| ATTACHMENT: | For Option #1: self-adhering | | |
| | For Option #2: torch-applied | | |
| PRIMER⇒ | For Option #1: ELASTOCOL Stick Zero, 1 gal./100 ft2 | | SOPREMA |
| | For Option #2: ASTM D41 primer, 0.5 gal./100 ft2 | | various |
| THERMAL BARRIER⇒ | Min. 0.75-inch Structural Panel Concrete Roof Deck | | USG |
| ATTACHMENT: | FTR-601 | ribbons 6-inch o.c. | Seaman Corporation |
| | FTR-601 PG | ribbons 6-inch o.c. | Seaman Corporation |
| | Millennium One Step Foamable | ribbons 6-inch o.c. | H.B. Fuller |
| | Millennium PG-1 Pump Grade | ribbons 6-inch o.c. | H.B. Fuller |
| | Insultac II Insulation Adhesive | ribbons 6-inch o.c. | Lexusco 2010 Corp |
| | Insultac II Pump Grade Insulation Adhesive | ribbons 6-inch o.c. | Lexusco 2010 Corp |
| DECK⇒ | Minimum 22 ga. type B steel meeting ASTM A653, A792, A1008 or CSSBI 10M standards and having a yield strength of 550 MPa (80 ksi) | | various |

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 |

REPORT HISTORY

| DATE | EVENT | NOTES | AUTHORIZED BY: |
|------------|--------------|--|----------------|
| 2020-08-24 | FINAL issued | After client review | RN |
| 2020-12-29 | REV1 issued | Add Insultac II Insulation Adhesive and Insultac II Pump Grade Insulation Adhesive Add ISOLEX A; Correct Option #2 membrane designations. | RN |
| 2021-10-21 | REV2 issued | Add AlphaTite Bonding Adhesive; add IZOLON EPS | RN |
| 2023-02-24 | REV3 issued | Update trade names; add IKOTerm | RN |

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END OF REPORT