



CREEK

TECHNICAL SERVICES, LLC

Certificate of Authorization No. 29824

17520 Edinburgh Drive

Tampa, FL 33647

(813) 480-3421

EVALUATION REPORT

FLORIDA BUILDING CODE, 6TH EDITION (2017)

Manufacturer: Glasteel
A Division of Stabilit America, Inc.
285 Industrial Drive
Moscow, TN 38507
(901) 877-3010

Manufacturing Plants: Moscow, TN

Quality Assurance: Keystone Certifications, Inc. (QUA1824)

Issued August 3, 2020

SCOPE

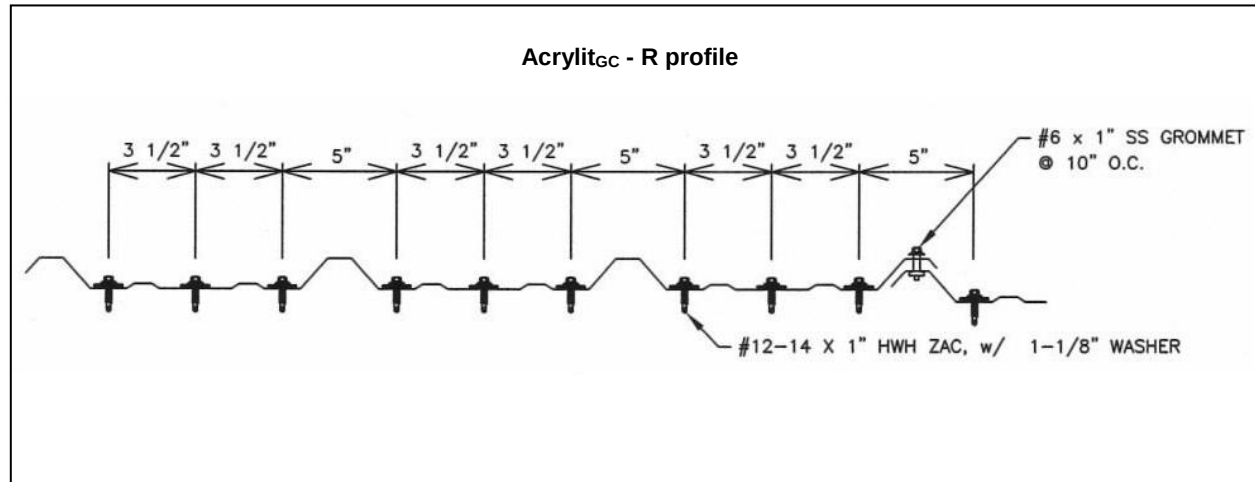
Product: Acrylit_{GC} Skylight Panels
Category: Structural Components
Subcategory: Roof Deck
Code Sections: 1504.3.2, 1504.6, 1504.7, 2606.4
Properties: Wind Resistance, Physical Properties, Light-Transmitting Plastics, Impact Resistance

REFERENCES

Entity	Report No.	Standard	Year
Force Engineering and Testing (TST5328)	143-0161T-05A	ASTM E 1592	2005(2012)
Force Engineering and Testing (TST5328)	143-0161T-05B	ASTM E 1592	2005(2012)
Force Engineering and Testing (TST5328)	143-0161T-05C	ASTM E 1592	2005(2012)
Force Engineering and Testing (TST5328)	143-0161T-05D	ASTM E 1592	2005(2012)
PRI Construction Materials Technologies (TST5878)	FAE-002-02-01	ASTM G 154	2012A
PRI Construction Materials Technologies (TST5878)	FAE-006-02-01	FM 4470	2016
PRI Construction Materials Technologies (TST5878)	FAE-029-02-01	ASTM D 635	2014
		ASTM D 1929	2016
		ASTM D 2843	2016
Terrence E. Wolfe, P.E. (ANE1920)	Load Table	N/A	2006

PRODUCT DESCRIPTION AND INSTALLATION
Acrylit_{GC} Skylight Panels

Profiles: R profile; 1-1/4" rib; 36" coverage
Description: Woven roving fiberglass reinforcement; 8 oz. 100% acrylic; MAWR08 formula



Acrylit_{GC} - R profile						
Slope:	1/2:12 or greater; follow manufacturer's instructions for sealing panel laps for roof slopes less than 3:12					
Purlins:	Designed by others; min. 16 ga. steel					
Fasteners:	#12-14 x 1" HWH self-drilling screws with 1-1/8" washer at support each per Appendix A. Panel side laps shall be through fastened with #6 x 1" stainless steel grommets at 10" o.c. Fasteners must be corrosion resistance in accordance with section 1507.4.4.					
Allowable Pressures:	+40 psf @ 5' o.c max -40 psf @ 5' o.c max <i>Allowable Pressure calculated using 2:1 margin of safety per 1504.9.</i>					
¹ Pressures (psf)	Positive Pressures			Negatives Pressures		
	Single	2-Span	3-Span	Single	2-Span	3-Span
20	6'-3"	7'-0"	6'-6"	5'-3"	7'-0"	6'-6"
25	5'-9"	6'-3"	6'-0"	5'-0"	6'-3"	6'-0"
30	5'-3"	5'-9"	5'-9"	4'-6"	5'-9"	5'-9"
35	4'-9"	5'-3"	5'-6"	4'-3"	5'-3"	5'-6"
40	4'-6"	5'-0"	5'-3"	4'-3"	5'-0"	5'-3"
45	4'-3"	4'-9"	5'-0"	4'-0"	4'-6"	5'-0"
50	4'-0"	4'-6"	4'-9"	3'-9"	4'-3"	4'-9"
55	3'-9"	4'-0"	4'-9"	3'-9"	4'-0"	4'-6"
60	3'-6"	3'-9"	4'-3"	3'-6"	3'-6"	4'-0"
65	3'-6"	3'-6"	4'-0"	3'-6"	3'-3"	3'-9"
70	3'-3"	3'-3"	3'-6"	3'-3"	3'-0"	3'-6"
75	3'-3"	3'-0"	3'-3"	3'-3"	2'-9"	3'-3"
80	3'-0"	2'-9"	3'-3"	3'-0"	2'-9"	3'-0"
85	3'-0"	2'-6"	3'-0"	3'-0"	2'-6"	2'-9"
90	3'-0"	2'-6"	2'-9"	2'-9"	2'-3"	2'-9"
95	2'-9"	2'-3"	2'-9"	2'-9"	2'-3"	2'-6"
100	2'-9"	2'-3"	2'-6"	2'-9"	2'-0"	2'-6"

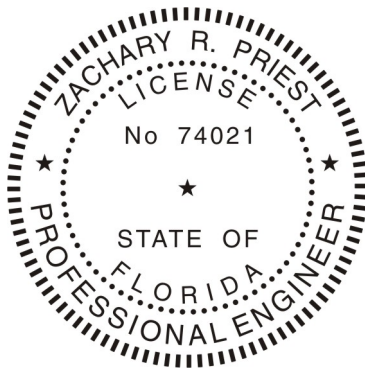


LIMITATIONS

1. This evaluation is not for use in the HVHZ.
2. Fire classification is not within the scope of this evaluation.
3. Panels shall be installed in accordance with FBC 2609 for CC2 class of plastics and the requirements of this evaluation.
4. The substrate and the substrate attachment shall be designed by others.
5. Wind loads limited by deflection of L/40 in accordance with ASTM D 3841.

COMPLIANCE STATEMENT

The products evaluated herein by Zachary R. Priest, P.E. have demonstrated compliance with the Florida Building Code, 7th Edition (2020) as evidenced in the referenced documents submitted by the named manufacturer.




Digitally signed by Zachary R. Priest

2020.08.03
13:14:26
-04'00'

Zachary R. Priest, P.E.
Florida Registration No. 74021
Organization No. ANE9641

CERTIFICATION OF INDEPENDENCE

CREEK Technical Services, LLC does not have, nor will it acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

CREEK Technical Services, LLC is not owned, operated, or controlled by any company manufacturing or distributing products under this evaluation.

Zachary R. Priest, P.E. does not have, now will acquire, a financial interest in any company manufacturing or distributing products under this evaluation.

Zachary R. Priest, P.E. does not have, now will acquire, a financial interest in any other entity involved in the approval process of the product.

END OF REPORT