

INTERTEK TEST REPORT

3933 US ROUTE 11 CORTLAND, NEW YORK 13045

TEST REPORT NO.: 103187458CRT-001

**PERFORMANCE TESTING OF
FIBERGRATE COMPOSITE STRUCTURES
12 FT. DYNARAIL LADDER (PN 444512) MADE WITH FLUTED HEAVY RUNGS
(162910) LADDER W/ RAIL RUNNER SYSTEM**

**MODEL NUMBER(S): LADDER- PN 444512
RUNG- 162910
RAIL/RUNNER MODEL- GLIDE LOCK
SOLL COMFORT**

PRODUCT TYPE: LADDER/RAIL/RUNNER

**RENDERED TO:
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Abstract

The Miller GlideLock Soll Comfort runners and Fibergate ladders model 12 Ft. Dynarail (PN 444512) with Fluted Heavy Rungs (PN 162810) were received in pristine condition on October 10th 2017, and were evaluated in accordance with *the client specified sections* of the following standards:

*ANSI/ASSE A14.3-08, "American National Standard for Ladders-Fixed"

6 Rail ladder sections were supplied by Fibergate to attach the Rail Runner GlideLock Soll Comfort2 too. The ladder sections were attached to FRP Brackets on 3"x3"x1/2" angle iron vertical rails with 3/8-inch Grade 8 bolts in 3 locations. The ladder, rail and Glidelock are to be used as a "system".

Details of the instrument calibration are maintained in laboratory records.

Introduction

This report describes the results of the performance tests conducted in accordance with the *client specified sections* of the standards listed above and performed on specimens submitted by Fibergate. Testing of the above mentioned Rail and GlideLock Fall Arrest Device began only upon Intertek's receipt of the signed quotation number Qu-00810683. Intertek, located in Cortland NY, conducted the test evaluations.

Product Description

Intertek received the following new, unused production samples:

1. Ladders- 12 Ft. Dynarail (PN 444512) with Fluted Heavy Rungs (PN 162810)
2. Rails with Runners- GlideLock Soll Comfort2
3. FRP Brackets (Ladder Mounting Assembly)

Authorization

The test was authorized by a signed quotation number Qu-00810683 dated August 4th, 2017.

Test Results:

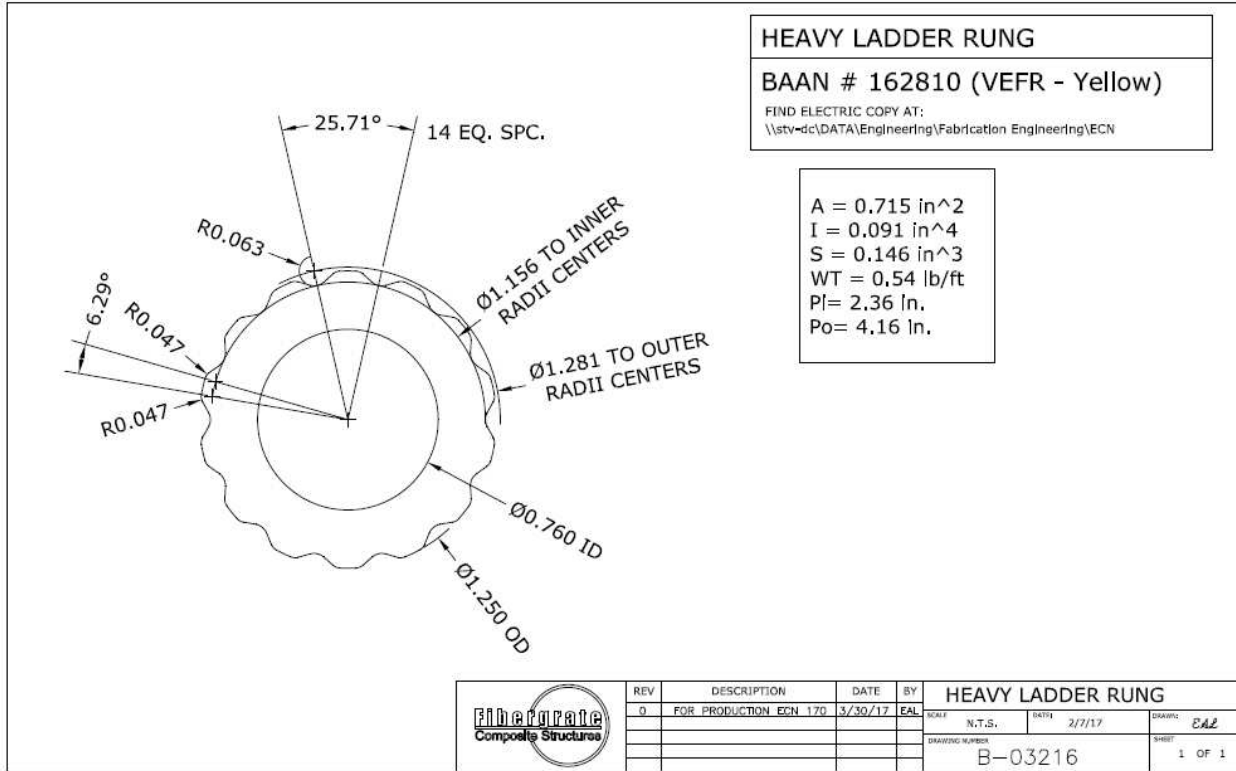
Results of the tests conducted on specimens of the Glide Lock Rail Runner Model Soll Comfort2 attached to a Fiber Grate Fiberglass Rung Ladder model, 12 Ft. Dynarail (PN 444512) with Fluted Heavy Rungs (PN 162810).

Test Results, Table 1:

Standard: ANSI A14.3-2008			
NOTE: Testing was conducted on the Glide Lock SOLL Comfort2 rail and runner/fall arrester mounted on ladder model 12 Ft. Dynarail (PN 444512) with Fluted Heavy Rungs (PN 162810).			
<u>Test Section, Title</u>	<u>Test Description</u>	<u>Requirements & Comments</u>	<u>Results</u>
7.5.2, Dynamic Strength	Install LSS. Position safety sleeve above ground, connect one end of test lanyard at point that connects to harness, and connect the second point of lanyard to 500 lb. test weight. Raise weight 18-inches and release. Sample shall arrest and suspend the test weight without failure and the test weight shall not strike the ground	Sample # 1	
		Arrest and suspend the test weight without failure	YES
		The test weight shall not strike the ground	YES
		Sample # 2	
		Arrest and suspend the test weight without failure	YES
		The test weight shall not strike the ground	YES
		Sample # 3	
		Arrest and suspend the test weight without failure	YES
		The test weight shall not strike the ground	YES
7.5.3, Static Strength	Install LSS. Position safety sleeve above ground, apply a static load of 1,000 lbs in the downward direction for a period of 5-minutes. Sample shall sustain a minimum static load of 1,000 lbs.	Sample # 1	
		sustain a minimum static load of 1,000 lbs.	YES
		Sample # 2	
		sustain a minimum static load of 1,000 lbs.	YES
		Sample # 3	
		sustain a minimum static load of 1,000 lbs.	YES

Testing Photo's





Conclusion

The evaluation of the Fibergate 12 Ft. Dynarail (PN 444512) with Fluted Heavy Rungs (PN 162810) with Slotted Rigid Rail Runner model Glide Lock Soil Comfort2, has been tested as per *the client specified sections* of ANSI/ASSE A14.3-08, "American National Standard for Ladders-Fixed". We have found FiberGrate samples to meet or exceed the requirements of these following standards.

Evaluation Performed by:

Report Reviewed by:

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