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SEAL DURABILITY OF SEALED INSULATING GLASS TEST REPORT
--ASTM E 2190-02

Standard Specification for the Classification of the Durability of Sealed Insulating Glass Units

Rendered to: INSULATING GLASS CERTIFICATION COUNCIL
P.O. Box 730
Sackets Harbor, New York 13651

ATI #: 88571.01-122-28
Date Received: 12/22/08
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Report Date: 05/19/09

Product / Reference No.: 1470 L08

Glass Type: Annealed

Overall Size: 14" x 20"

Glass Thickness: 3/16"

Overall Thickness: 5/8"

Air Space: 1/4"

Manufactured Date: 11/17/08

Samples Obtained from Manufacturer: Tower Glass Products Corporation - Lynbrook, New York

Spacer: Anodized aluminum spacer by Allmetal, Inc.

Corners: Four square cut corners; four plastic corner keys by Hygrade, Inc.

Primary Sealant: JS 780 polyisobutylene by Truseal Technologies, Inc.

Secondary Sealant: Tremsil 600 silicone by Tremco

Desiccant: Phonosorb LD-5 molecular sieve by Grace Davison; two long sides filled

Other Features: Muntins and muntin clips by Allmetal, Inc.; pyrolytic Low-E coating on one lite

Information obtained from: Insulating Glass Certification Council

FROST POINT TEST RESULTS (°F)¹

Unit	Primary Sealant Width (min.-max.)	ASTM E 2189-02	ASTM E 2188-02				
		(Volatile) Fog Testing (7 days)	Initial	High Humidity (14 days)	Accelerated Weathering (252 cycles)	High Humidity (28 days)	Visible Deposits (Y or N)
1	3-6mm	-	<-100	<-100	<-100	<-100	No
2	3-7mm	-	<-100	<-100	<-100	<-100	No
3	3-7mm	-	<-100	<-100	<-100	<-100	No
4	4-7mm	-	<-100	<-100	<-100	<-100	No
5	4-7mm	-	<-100	<-100	<-100	<-100	No
6	4-7mm	-	<-100	<-100	<-100	<-100	No
9	4-6mm	No Fog	-	-	-	-	-
10	3-6mm	No Fog	-	-	-	-	-
Requirement	N/A	No Fog	N/A	≤ -40	≤ -40	≤ -40	N/A
Pass / Fail	N/A	Pass	N/A	Pass	Pass	Pass	N/A
Date	01/08/09	02/18/09	01/08/09	01/29/09	04/06/09	05/13/09	05/13/09

¹ Frost point testing per ASTM E 546-88 (Re-approved 1999)

Average Fog Test Temperature: 122°F

Maximum Temperature: 127°F

Minimum Temperature: 117°F

Remarks: Meets the requirements of ASTM E 2190-02 per E 2188-02, E 546-88 and E 2189-02 test methods. This report does not constitute certification of this product, which may only be granted by the certification program Administrator / Validator. This report may not be reproduced except in full without the written approval of Architectural Testing.

E2190 Compliant JS

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