

Glass Load Resistance Report

Jan 23, 2018

Glazing Information		Project Details	
Edge Supports	4 Sides	Project Name:	
Glazing Angle	90°	Location:	
Lite Width	40 in	Comments:	
Lite Height	60 in		

Glass Construction (Rectangular)

Double Glazed Insulating Unit			
	Outboard lite	Airspace	Inboard lite
Glass Type	Heat Strengthened		Annealed
Lamination	Monolithic		PVB
Nominal Thickness	1/4 in.	1/4 in	1/4 in.

Short Load Duration, Resistance, and Deflection Data

Load (~ 3 sec.)	100 psf
Load Resistance	115 psf
Approximate Maximum Deflection	0.54 in

Conclusion

Based on your input, the load resistance(s) exceeds the specified load.

Statement of Compliance

Procedures followed in determining the resistance of this window glass are in accordance with ASTM E1300-12
Disclaimer: This app can be used to determine the load resistance of specified glass types exposed to uniform lateral loads of short or long duration subject to the following conditions:

- The glass is free of edge and surface damage and has been properly glazed in the opening in conformance with the manufacturer's recommendations.
- Procedures exist to determine load resistance for rectangular glass assemblies that are:
 - Continuously supported along all four edges,
 - Continuously supported along all three edges,
 - Continuously supported along two parallel edges, and
 - Continuously supported along one edge.
- The software user has the responsibility of selecting the correct procedures for the required application from the software.
- The stiffness of members supporting any glass edge shall be sufficient that under design load, edge deflections shall not exceed L/175,
- The manufacturer states that the Safety Plus II 0.090 Polyurethane Large Missile Resistant interlayer is comparable to the PVB interlayer.

For other limiting conditions that may apply, refer to Section 5 of ASTM E1300 and local building codes.

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Prepared by: _____ on 1/23/18