To:



TuffX Processed Glass Ltd Nexus House, Randles Rd Knowsley Business Park Knowsley Liverpool L34 9HX Mr. John Hayes

Statement Ref ERCT 0431/1 & ERCT0431

This is to declare that the product 'Glow Glass' Thermal walk on roof light manufactured by TuffX Processed Glass Ltd met the following indicative tests;

Indicative test performed to the same requirements as PAS24-2016 C.4.4.3 Mechanical Infill test

(Test date 08/02/2019)- 2kN loads applied at the corners of the glazing aperture and no entry was gained. The test was repeated with 4kN loads and again there was no breakage or deformation of the product.

Indicative test performed to the same requirements as BS6375-1 Weather On-going test

(Test date 13/02/2019)- The sample provided (1000mm x 1000mm) appears to **meet** the manufacturer's chosen requirements from the European standard EN 14351-1 [1], **BS6375-1** Weather, the sample appears to have achieved the following results;

- Air Permeability EN12207 sample appears to have achieved Class 4, 600Pa.
- Water Tightness EN12208– sample appears to have achieved Class A9, 600Pa.

Tests were performed on manufacturer's samples and executed by personel of ERC Testing Ltd, Unit A8(3), Pennington Court, Walter Leigh Way, Moss Industrial Estate, Leigh WN7 3PT, United Kingdom.

ERC Testing Ltd. Onsite contacts: Mike Hackett & Pete Fradley <u>mike.hackett@erc-testing.com</u> & <u>pete.fradley@erc-testing.com</u> Unit A8(3), Pennington Court, Moss Industrial Estate, Leigh Lancashire WN7 3PT Tel: 01942 603927 Reg. Office: 78 Borough Road, Altrincham, Cheshire WA15 9EJ Director: W F Keating Mobile: 07980 863175 Email: <u>bill.keating@er-certification.com</u> Company Registration No. 9819101

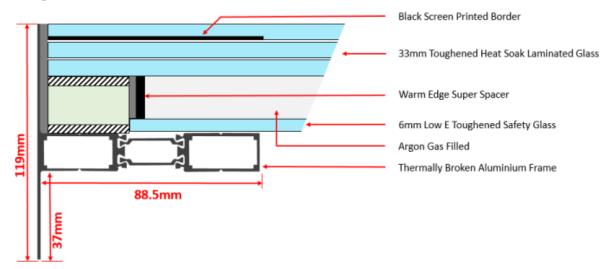


Working in co-operation with TÜV Rheinland Nederland B.V.



Thermal Walk on Roof Light

33mm Toughened Laminated Glass Argon Gas Filled Cavity with Warm Edge Spacer 6mm Toughened Low E Glass



ERC Testing Ltd.

Onsite contacts: Mike Hackett & Pete Fradley <u>mike.hackett@erc-testing.com</u> & <u>pete.fradley@erc-testing.com</u> Unit A8(3), Pennington Court, Moss Industrial Estate, Leigh Lancashire WN7 3PT Tel: 01942 603927 Reg. Office: 78 Borough Road, Altrincham, Cheshire WA15 9EJ Director: W F Keating Mobile: 07980 863175 Email: <u>bill.keating@er-certification.com</u> Company Registration No. 9819101



Working in co-operation with **TÜV Rheinland Nederland B.V.**

Watertightness: EN 12208 -

Spaying method A	Number o	of nozz	les: 3	Vol.	Water:	360.0	litre/hour
Spaying angle:24 Degr	ee				:	6.0	litre/minute
Add. spraying pipe	Number o	of nozz	les: 0	Vol.	Water:	0.0	litre/hour
(1.0 litre/nozzle)					:	0.0	litre/minute

1. Watertightness pressure

Pressu	re Pa	Time	Remark	
Nominal	Real	5 1000000000 V	200 S24635426 - 21 - 22 - 22 - 22	
0	-9	00:15:00	OK	
50	50	00:05:00	OK	
100	101	00:05:00	OK	
150	151	00:05:00	OK	
200	203	00:05:00	OK	
250	251	00:05:00	OK	
300	300	00:05:00	OK	
450	453	00:05:00	OK	
600	604	00:05:00	OK	

Watertightness Class: A9

Air Permeabitity: EN 12207 in accordance with BS EN 1026

Window surface: 1.000 m2 Seal length: 0.000 m

1. Air Permeabitity pressure / Air Permeabitity suction

	Pressure Pressure				performed performed
--	----------------------	--	--	--	------------------------

Pressure Pa		Qc Qtc		Window	surface	Joints	length
Nominal	Real	m³/h	m³/h	m³/h/m³	class	m³/h/m	class
+							
50	50	0.00	0.61	0.61	4	0.00	4
100	100	0.00	1.28	1.28	4	0.00	
150	151	0.00	1.82	1.82	4	0.00	4
200	200	0.00	2.31	2.31	4	0.00	- 4
250	251	0.00	2.81	2.81	4	0.00	4
300	300	0.00	3.27	3.27	4	0.00	4
450	451	0.00	4.49	4.49	4	0.00	- 4
600	604	0.00	5.61	5.61	4	0.00	- 4
-							
-50	-50	0.00	0.45	0.45	4	0.00	- 4
-100	-100	0.00	1.18	1.18	4	0.00	4
-150	-150	0.00	1.76	1.76	4	0.00	
-200	-201	0.00	2.27	2.27	4	0.00	4
-250	-251	0.00	2.73	2.73	4	0.00	4
-300	-300	0.00	3.19	3.19	4	0.00	- 4
-450	-452	0.00	4.38	4.38	4	0.00	- 4
-600	-605	0.00	5.37	5.37	4	0.00	4
Average							
50	50	0.00	0.53	0.53	4	0.00	4
100	100	0.00	1.23	1.23	4	0.00	
150	150	0.00	1.79	1.79	4	0.00	4
200	200	0.00	2.29	2.29	4	0.00	4
250	251	0.00	2.77	2.77	4	0.00	
300	300	0.00	3.23	3.23	4	0.00	
450	451	0.00	4.43	4.43	4	0.00	
600	604	0.00	5.49	5.49	4	0.00	4

Pressure: 4 Suction: 4

Average value: 4

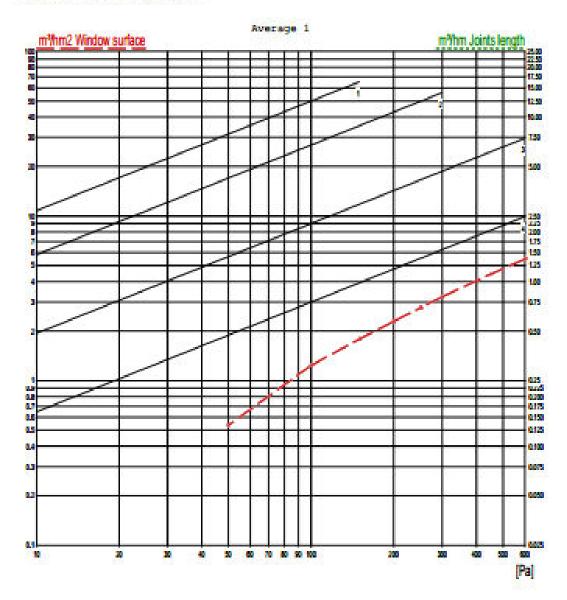
ERC Testing Ltd.

Onsite contacts: Mike Hackett & Pete Fradley mike.hackett@erc-testing.com & pete.fradley@erc-testing.com Unit A8(3), Pennington Court, Moss Industrial Estate, Leigh Lancashire WN7 3PT Tel: 01942 603927 Reg. Office: 78 Borough Road, Altrincham, Cheshire WA15 9EJ Director: W F Keating Mobile: 07980 863175 Email: bill.keating@er-certification.com Company Registration No. 9819101



Working in co-operation with TÜV Rheinland Nederland B.V.

Air Permeabitity Average:



ERC Testing Ltd. Onsite contacts: Mike Hackett & Pete Fradley <u>mike.hackett@erc-testing.com</u> & <u>pete.fradley@erc-testing.com</u> Unit A8(3), Pennington Court, Moss Industrial Estate, Leigh Lancashire WN7 3PT Tel: 01942 603927 Reg. Office: 78 Borough Road, Altrincham, Cheshire WA15 9EJ Director: W F Keating Mobile: 07980 863175 Email: <u>bill.keating@er-certification.com</u> Company Registration No. 9819101