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Report No.: 133343ST150758(1)

REPORT ON TEMPERATURE MEASUREMENT ON THE BACK **PAINT GLASS WITH TEMPERED**

Information Supplied by Client

Client

: DSA Co., Ltd.

Project

Testing of Back Paint Glass with Tempered

Sample Description

Back Paint Glass with Tempered

Nominal thickness: 6 mm

Laboratory Information

Lab. Sample I.D.

ST150758/2

Date Received

20 August 2015

Date Tested

: 04 September 2015

Test Method

In accordance with our in-house method ref. STMS-3360B

Test Results

Lab. Sample	At Time	Temperature (°С)					Observation	
I.D.	(min)	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Observation
ST150758/2	15	39.75	72.30	88.35	40.10	36.20	44.95	No breakage or significant defect of the Glass
	30	48.85	74.70	95.30	44.00	38.15	47.40	No breakage or significant defect of the Glass
	45	47.30	75.05	85.25	44.70	38.60	48.00	No breakage or significant defect of the Glass
	60	48.95	75.75	105.70	45.50	39.10	48.80	No breakage or significant defect of the Glass
	75	49.55	75.60	88.75	46.10	39.40	49.20	No breakage or significant defect of the Glass
	90	49.80	75.55	82.75	45.80	39.35	49.05	No breakage or significant defect of the Glass
	105	50.90	78.50	76.25	45.75	39.35	49.70	No breakage or significant defect of the Glass
	120	50.75	76.90	81.10	44.75	39.20	49.10	No breakage or significant defect of the Glass
	135	51.40	79.35	77.70	43.40	39.30	50.10	No breakage or significant defect of the Glass
	150	52.10	83.10	73.95	42.55	39.30	51.50	No breakage or significant defect of the Glass
	165	52.45	84.65	73.90	41.15	39.00	51.30	No breakage or significant defect of the Glass
	180	51.75	85.60	68.40	45.25	38.85	50.80	No breakage or significant defect of the Glass
	195	51.85	83.10	72.15	43.60	39.40	51.55	No breakage or significant defect of the Glass
	210	52.70	84.40	75.25	41.75	39.30	51.70	No breakage or significant defect of the Glass
	225	52.40	84.70	71.75	40.65	38.75	51.25	No breakage or significant defect of the Glass
	240	52.30	84.00	74.40	40.55	39.15	51.35	No breakage or significant defect of the Glass
	255	52.65	84.25	77.60	41.30	39.45	51.85	No breakage or significant defect of the Glass
	270	52.70	84.65	76.90	41.25	39.35	51.75	No breakage or significant defect of the Glass
	285	52.30	85.15	72.55	40.10	38.95	51.15	No breakage or significant defect of the Glass
	300	52.75	87.95	63.25	42.15	39.30	51.65	No breakage or significant defect of the Glass
	315	51.70	86.80	68.80	46.95	38.80	51.50	No breakage or significant defect of the Glass
	330	52.10	84.35	76.45	47.20	39.15	51.65	No breakage or significant defect of the Glass
	345	52.40	85.00	75.30	46.75	39.15	51.70	No breakage or significant defect of the Glass
	360	52.15	85.80	70.85	45.70	38.90	51.40	No breakage or significant defect of the Glass

Remarks

1.) The test results relate only to the samples tested.

2.) The test configuration and sample after test are shown in the photographs

on page 4 of this report.

Date: 11 SEP 2015 Certified by:

Date: 11 SEP 2015

Chan Chun Wai Ivan

Manager (Product Testing Laboratory)

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Method Statement Reference: STMS-3360B

METHOD STATEMENT FOR TEMPERATURE MEASUREMENT ON BACK PAINT GLASS WITH TEMPERED

(In-house method)

- 1. The Back Paint Glass with Tempered of 1900mm x 790mm in size to be tested shall be installed and erected as normal on a side of granite. A electric stove with 2 heating elements and a LPG stove shall be installed in front of the Back Paint Glass with Tempered at the center longitudinal line of the granite with the distance as specified in figure 1.
- 2. Five thermocouple wires shall be positioned on the wall at 30mm and 170mm height from the top surface of the granite. Moreover, 1 thermocouple shall be positioned between the stoves on the granite. They are positioned separately as specified in figure 1.
- 3. A Chinese Wok and a couple of Kettle filled with an amount of water shall be placed upon the heating elements separately.
- 4. Test configuration is shown in the figure reference STMS-3360B/1.
- 5. Water in each cooking utensil shall be boiled simultaneity at the highest fire until boiling. After that, the Chinese wok and the kettle shall be kept to be on fire for 120 minutes. After 120 minutes, the wok shall be replaced by a kettle and the test shall be continued up to 360 minutes.
- 6. During the time, water shall be kept to an acceptance level by filled with water.
- 7. The temperature raised at each measurement points shall be recorded at an interval of 15 minutes during the test. In the meanwhile, the fire of LPG and electric stoves shall be kept on fire continuously until the completion of measurement at 6 hours.
- 8. Any breakage or significant defect shall be recorded for reporting.

Certified by:

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6mm Back Paint Glass With Tempered

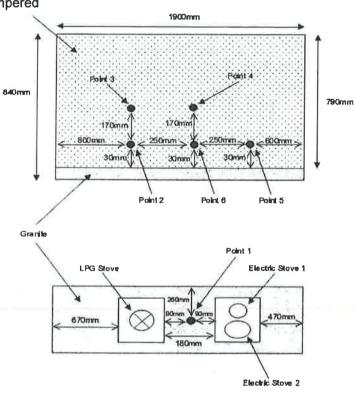


Figure 1 Test configuration and the thermocouple points

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Test Configuration
Sample I.D.: ST150758/1



Test Configuration Sample I.D.: ST150758/1



Test Configuration
Sample I.D.: ST150758/1



Test Configuration Sample I.D.: ST150758/1



Sample After Test Sample I.D.: ST150758/1