

Test Report

No.: TJHL1708003622FT

Date: AUG.14,2017

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TIANJIN HLTD INDUSTRIAL CO., LTD
RM 606, BUILDING NO 1, FULI CENTER, JUNCTION OF NANCHANG RD AND HEFEI RDHEXI
DISTRICT | TIANJIN, CHINA 300203

The following sample(s) was/were submitted and identified by the client as:

Sample Description : TEMPERED GLASS
Agent : BRADSHAW FURNISHINGS LTD
Buyer : NEXT RETAIL LTD
Supplier : BRADSHAW FURNISHINGS LTD
Manufacture : TIANJIN HLTD INDUSTRIAL CO., LTD
Country of Origin : CHINA
Country of Destination : UK
Sample Receiving Date : AUG.08.2017
Testing Period : AUG.08.2017 TO AUG.14.2017
Test Performed : SELECTED TEST(S) AS REQUESTED BY APPLICANT
Test Requested : FRAGMENTATION TEST (EN 12150-1: 2015 GLASS IN BUILDING –
THERMALLY TOUGHENED SODA LIME SILICATE SAFETY GLASS
– PART 1: DEFINITION AND DESCRIPTION CLAUSE 8)
Test Result(s) : FOR FURTHER DETAILS, PLEASE REFER TO THE
FOLLOWING PAGE(S)
Conclusion : THE SUBMITTED SAMPLE MET THE TEST REQUIREMENT OF
REQUESTED TEST ITEMS

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Tianjin) Co., Ltd.



Michael Wen
Authorized Signatory



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Headline

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Test Conducted :

EN 12150-1: 2015 (Glass in building – Thermally toughened soda lime silicate safety glass – Part 1: Definition and description Clause 8)

Fragmentation Test

Number of Tested Sample: 5 Pieces of sample

Size of Tested Sample: 1100 mm x 360 mm x 9.90 mm

Test Method:

The test specimen shall be laid flat on a table without any mechanical constraint. In order to prevent scattering of the fragments, the specimen shall be simply held at the edges. Impact the test specimen with a pointed steel tool at a position 13mm in from the longest edge of the test specimen at the mid-point of that edge, until breakage occurs. Then count the particle number, the particle count and measuring of the dimensions of the largest particle shall be made between 3 min to 5 min after fracture, the particle count shall be made by placing a mask of (50 ± 1) mm \times (50 ± 1) mm on the test piece. And the particle count of each test specimen shall not be less than the values given in Table 1, the longest particle shall not exceed 100mm



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| Glass type | Nominal thickness, d mm | Minimum particle count number | Shower enclosures (see EN 14428) |
|-----------------|----------------------------|----------------------------------|-------------------------------------|
| All glass types | 2 | 15 | not applicable |
| All glass types | 3 | 15 | 40 |
| All glass types | 4 to 12 | 40 | 40 |
| All glass types | 15 to 25 | 30 | 30 |

Table 1
Test Sample

| Sample No | Nominal thickness, d mm | Particle count | Length of longest particle mm | Rating |
|-----------|----------------------------|-------------------|----------------------------------|--------|
| 1# | 9.90 | 101 | 10 | Pass |
| 2# | 9.90 | 110 | 15 | Pass |
| 3# | 9.90 | 108 | 12 | Pass |
| 4# | 9.90 | 107 | 22 | Pass |
| 5# | 9.90 | 94 | 17 | Pass |

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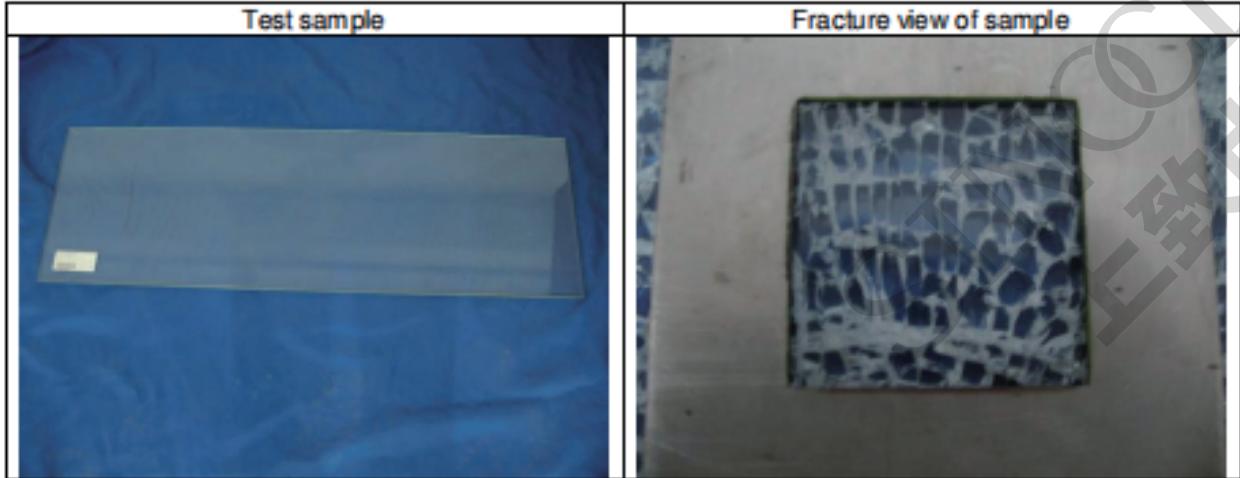
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Sample Photo:



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End of Report

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