

## TEST REPORT

No. : QDIN2401000132ML05\_EN

Date : 2024-03-08

Page: 1 of 11



CUSTOMER NAME: QINGDAO JINFER INTERNATIONAL TRADING CO.,LTD

ADDRESS: NO.6 SHANDONG ROAD, QINGDAO, CHINA

Sample Name : ALUMINUM CHANNEL TOP MOUNT

Product Specification : 72×122

Product or Lot No. : A30036

Manufacturer : QINGDAO JINFER INTERNATIONAL TRADING CO.,LTD

Material and Mark : ALUMINUM

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

\*\*\*\*\*

Test Required : Mechanical Property Test

Date of Receipt : 2024-01-15

Testing Period : 2024-01-15 ~ 2024-03-08

Test result(s) : For further details, please refer to the following page(s)  
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for  
SGS-CSTC Standards Technical  
Services (Qingdao) Co., Ltd..

*Rose wang*

Rose Wang  
Authorized signatory



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**1. Mechanical Property Test****Test Method:** NS 3510:2015**Test Procedure:**

The channel was bolted down to a concrete block.

Install proper glass panel on the aluminium channel sample.

Apply a horizontal imposed line load (Test Force) at 1000mm height above the datum level of the floor.

Measure the displacement under force at 1.0kN/m and 1.5kN/m, or when the displacement reaches to 50mm.

**Test result are as follows.**

Table 1 - Test with 12.76mm glass

Glass thickness	Test Force			Displacement under force (mm)
	Theoretical value (kN)	Theoretical value (kg)(See note1)	Measured value (kg)	
12.76mm	1.0	102.0	105.8	33.22
	1.5	153.1	153.7	49.78

Note: 1. The force conversion is based on 9.8N/kg.

2. The testing was conducted by the client and witnessed by SGS.

3. See Fig.1 to Fig.6.



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Fig.1 Test data



Fig.2 Test data



Fig.3 Test data

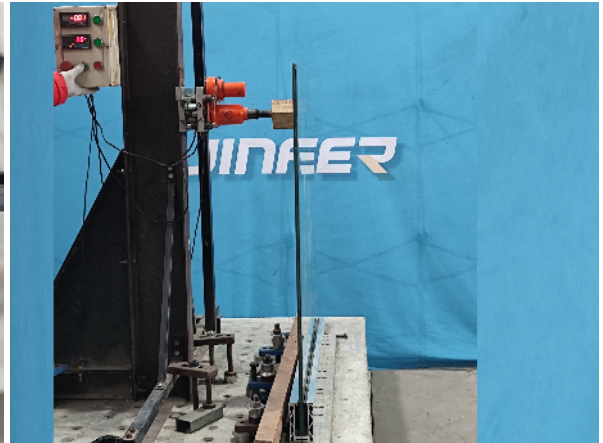


Fig.4 Test data



Fig.5 Test data

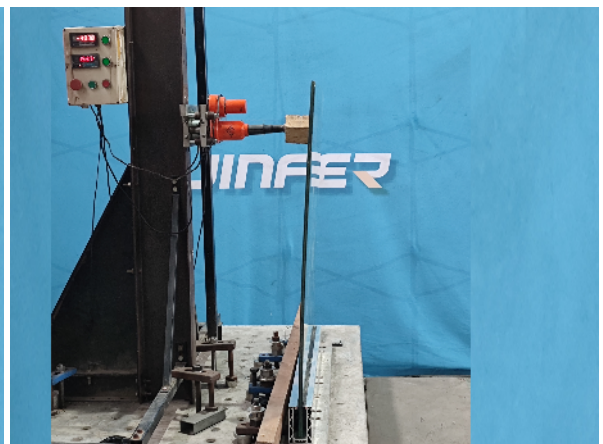


Fig.6 Test data



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Table 2 - Test with 16.76mm glass

Glass thickness	Test Force			Displacement under force (mm)
	Theoretical value (kN)	Theoretical value (kg)(See note1)	Measured value (kg)	
16.76mm	1.0	102.0	106.6	20.89
	1.5	153.1	156.4	32.75

Note: 1. The force conversion is based on 9.8N/kg.

2. The testing was conducted by the client and witnessed by SGS.

3. See Fig.7 to Fig.12.



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Fig.7 Test data



Fig.8 Test data



Fig.9 Test data

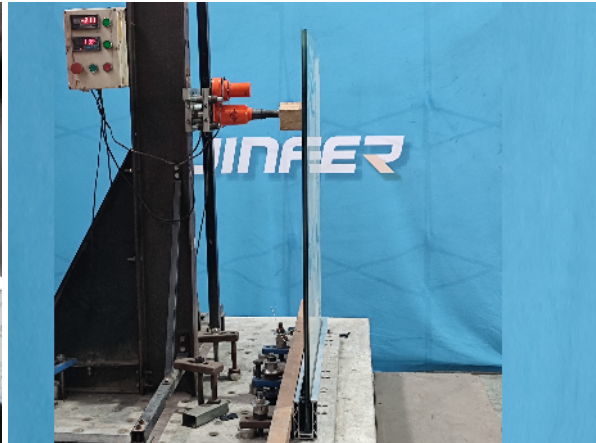


Fig.10 Test data

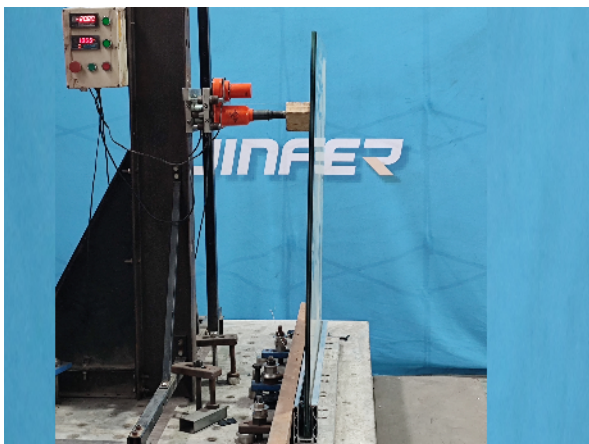


Fig.11 Test data



Fig.12 Test data



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Table 3 - Test with 17.52mm glass

Glass thickness	Test Force			Displacement under force (mm)
	Theoretical value (kN)	Theoretical value (kg)(See note1)	Measured value (kg)	
17.52mm	1.0	102.0	106.2	19.46
	1.5	153.1	156.0	30.07

Note: 1. The force conversion is based on 9.8N/kg.

2. The testing was conducted by the client and witnessed by SGS.

3. See Fig.13 to Fig.18.



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Fig.13 Test data



Fig.14 Test data



Fig.15 Test data

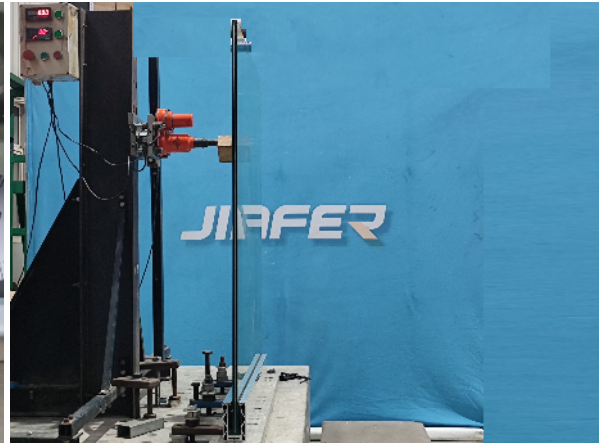


Fig.16 Test data



Fig.17 Test data



Fig.18 Test data



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Table 4 - Test with 20.76mm glass

Glass thickness	Test Force			Displacement under force (mm)
	Theoretical value (kN)	Theoretical value (kg)(See note1)	Measured value (kg)	
20.76mm	1.0	102.0	104.2	13.76
	1.5	153.1	156.9	21.05

Note: 1. The force conversion is based on 9.8N/kg.

2. The testing was conducted by the client and witnessed by SGS.

3. See Fig.19 to Fig.24.



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Fig.19 Test data



Fig.20 Test data

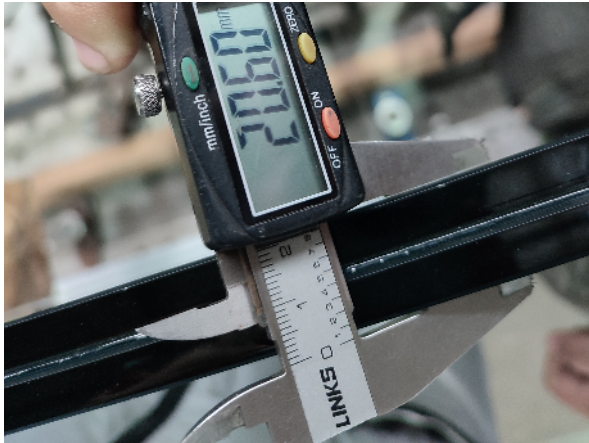


Fig.21 Test data

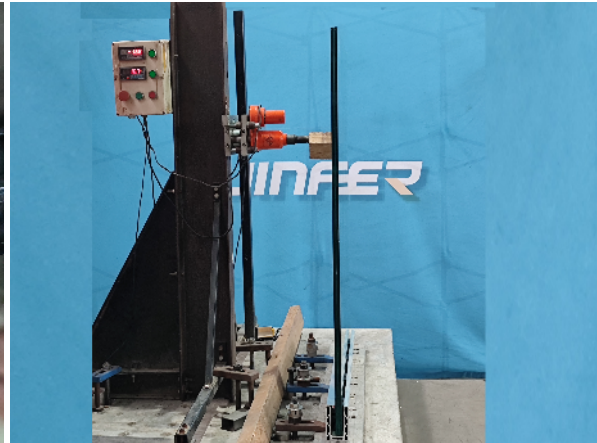


Fig.22 Test data

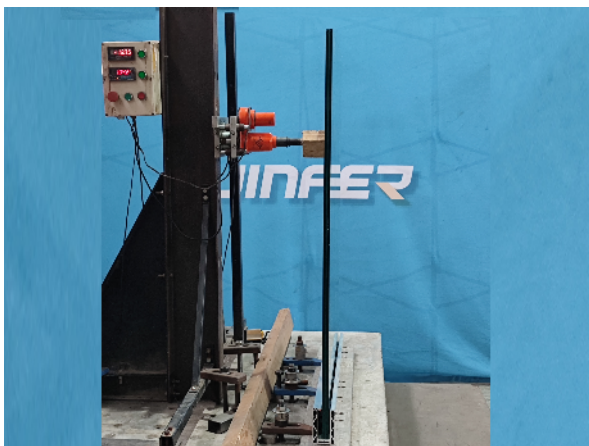


Fig.23 Test data



Fig.24 Test data



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Table 5 - Test with 21.52mm glass

Glass thickness	Test Force			Displacement under force (mm)
	Theoretical value (kN)	Theoretical value (kg)(See note1)	Measured value (kg)	
21.52mm	1.0	102.0	105.6	10.86
	1.5	153.1	159.1	17.45

Note: 1. The force conversion is based on 9.8N/kg.

2. The testing was conducted by the client and witnessed by SGS.

3. See Fig.25 to Fig.30.



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Fig.25 Test data



Fig.26 Test data



Fig.27 Test data

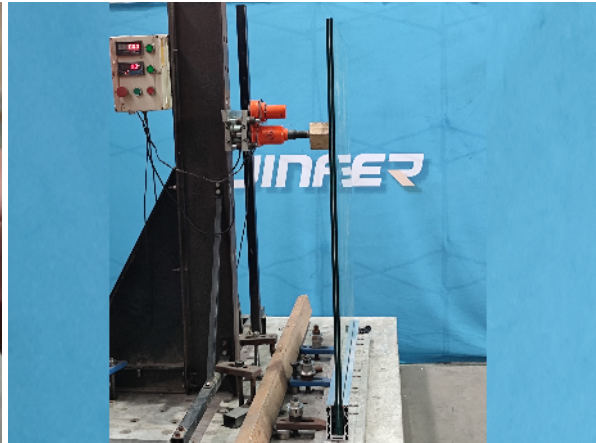


Fig.28 Test data

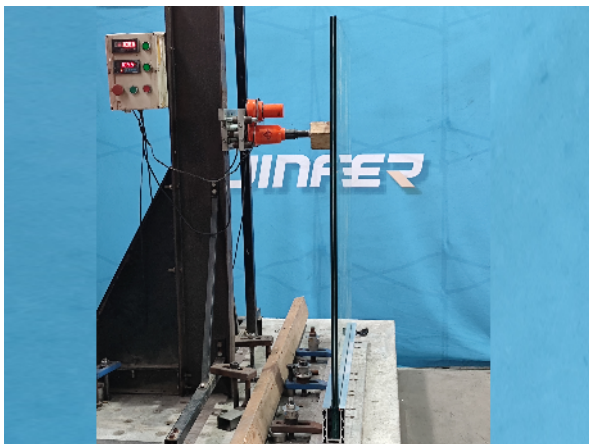


Fig.29 Test data



Fig.30 Test data

Test items were witnessed by SGS-CSTC(Qingdao) Co., Ltd. at Qingdao Jinfer International Co., Ltd. which performed the above testing.

\*\*\*\*\*End of report\*\*\*\*\*



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