TEST REPORT

No. : SHIN2112087782CM
Date : Jan 11, 2022

scan to see the report

SHIN2112087782CM

CUSTOMER NAME: SAIGE LONGLIFE DECKING LIMITED

ADDRESS: VICARAGE BARNS LOWER QUINTON STRATFORD UPON AVON WARWICKSHIRE CV378SH ENGLAND

Sample Name	:	SAIGE LONGLIFE BALUSTRADE
Product Specification	:	955mm*50mm *30mm
Material and Mark	:	WPC
Other Information	:	Grey Balustrade

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.

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Test Required	:	Please see the next page(s)
SGS Ref. No.	:	NJIN2112006341ML
Ref. Standard	:	Please see the next page(s)
Date of Receipt	:	Dec 16, 2021
Testing Start Date	:	Dec 16, 2021
Testing End Date	:	Jan 11, 2022
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
Service (Shanghai)Co., Ltd.

Ziven Wang

Ziven Wang
Authorized signatory

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TEST REPORT

Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Loading Test of Type (ii) and (ix) Balustrade	BS 6180:2011 Clause 6.3	See Result	/
2	Loading test of type (vii) Balustrade	BS 6180:2011 Clause 6.3	See Result	/

Note: Pass : Meet the requirements;
Fail : Does not meet the requirements;
/ : Not Apply to the judgment.

Original Sample Photo(s):

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TEST REPORT

1. Test Item: Loading Test of Type (ii) and (ix) Balustrade

Test Method: BS 6180:2011 Clause 6.3

Test Condition:

Specimen: Product, 3pcs

Test height of horizontal uniformly distributed line load: 1100mm

Test area of uniformly distributed load: 1532mm×960mm

Test location of point load: in the middle of the infill

Test Result:

Test Item		Test Result
Horizontal Uniformly Distributed Line Load	Deflection at 0.74 kN/m	9.58 mm
	Failure Load	4.09 kN/m
Uniformly Distributed Load Applied to the Infill	Deflection at 1.0 kN/m^2	11.30 mm
	Failure Load	6.68 kN/m^2
A Point Load Applied to Part of the Infill	Deflection at 0.5 kN	19.46 mm
	Failure Load	1.38 kN

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No. : SHIN2112087782CM
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Test Photo(s):

Horizontal Uniformly Distributed Line Load - In Test	Horizontal Uniformly Distributed Line Load - After Test
Uniformly Distributed Load Applied to the Infill - In Test	Uniformly Distributed Load applied to the Infill - After Test

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TEST REPORT

A Point Load Applied to Part of the Infill - In Test	A Point Load Applied to Part of the Infill - After Test

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TEST REPORT

2. Test Item: Loading Test of Type (vii) Balustrade

Test Method: BS 6180:2011 Clause 6.3

Test Condition:

Specimen: Product, 3pcs

Test height of horizontal uniformly distributed line load: 1100mm

Test area of uniformly distributed load: 1532mm×960mm

Test location of point load: in the middle of the infill

Test Result:

Test Item		Test Result
Horizontal Uniformly Distributed Line Load	Deflection at 1.5 kN/m	20.74 mm
	Failure Load	3.61 kN/m
Uniformly Distributed Load Applied to the Infill	Deflection at 1.5 kN/m^2	16.62 mm
	Failure Load	6.75 kN/ m^2
A Point Load Applied to Part of the Infill	Deflection at 1.5 kN	F=1.42kN, the specimen was broken and the deflection was 84.98mm
	Failure Load	1.42 kN

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TEST REPORT

Test Photo(s):

Horizontal Uniformly Distributed Line Load - In Test	Horizontal Uniformly Distributed Line Load - After Test
Uniformly Distributed Load Applied to the Infill - In Test	Uniformly Distributed Load Applied to the Infill - After Test

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TEST REPORT

A Point Load Applied to Part of the Infill - In Test	A Point Load Applied to Part of the Infill - After Test

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

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