

TEST REPORT

No. : SHIN2401000072CM02_EN

Date : 2024-02-22

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CUSTOMER NAME: CORONET GROUP SUZHOU CO., LTD.
ADDRESS: ASCENDAS XINSU SQUARE, 5 XINGHAN STREET, SUZHOU,
JIANGSU, CHINA

Sample Name : RINGLOCK SCAFFOLD
Product Specification : Please see the below table
Product or Lot No. : Please see the below table
Manufacturer : Coronet Group Suzhou Co., Ltd.
Material : Q345

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.

Date of Receipt : 2024-01-08
Testing Period : 2024-01-08 ~ 2024-02-08
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 (Shanghai) Co., Ltd..

Xander Yang
Authorized signatory



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Ref.No	Product Specification
RV99	Ringlock Standard 3.0m
RV66	Ringlock Standard 2.0m
RV33	Ringlock Standard 1.0m
RH307	Ringlock Ledger 3.07m
RH257	Ringlock Ledger 2.57m
RH207	Ringlock Ledger 2.07m
RH157	Ringlock Ledger 1.57m
RH140	Ringlock Ledger 1.40m
RH109	Ringlock Ledger 1.09m
RH073	Ringlock Ledger 0.73m
ROSP32073	Ringlock Steel Plank 3.07x0.32m
ROSP32257	Ringlock Steel Plank 2.57x0.32m
ROSP32207	Ringlock Steel Plank 2.07x0.32m
ROSP32157	Ringlock Steel Plank 1.57x0.32m
ROSP32140	Ringlock Steel Plank 1.40x0.32m
ROSP32109	Ringlock Steel Plank 1.09x0.32m
ROSP32073	Ringlock Steel Plank 0.73x0.32m
RTB207	Ringlock Steel Toeboard 2.07m
RTB109	Ringlock Steel Toeboard 1.09m
CSJB600	Ringlock Base Jack 600mm
RSC-L	Ringlock Base Collar 310mm



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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Uniformly Distributed Service Load	EN 12811-1:2003 Clause 6.2.2.2	See Result	Pass
2	Concentrated Load on Area 200mm × 200mm	EN 12811-1:2003 Clause 6.2.2.3	See Result	Pass

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

Original Sample Photo(s):

	
Specimen 1 -Front View	Specimen 1 -Back View



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Specimen 2 -Front View



Specimen 2 -Back View



Specimen 3 -Front View



Specimen 3 -Back View

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Specimen 4 -Front View



Specimen 4 -Back View



Specimen 5 -Front View



Specimen 5 -Back View

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Specimen 6 -Front View



Specimen 6 -Back View



Specimen 7 -Front View



Specimen 7 -Back View

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1. Test Item: Uniformly Distributed Service Load

Test Method: EN 12811-1:2003 Clause 6.2.2.2

Test Condition:

- Specimen 1: 730mm×320mm×75mm (Length × Width × Height), 1pc, class 6
- Specimen 2: 1090mm×320mm×75mm (Length × Width × Height), 1pc, class 6
- Specimen 3: 1400mm×320mm×75mm (Length × Width × Height), 1pc, class 6
- Specimen 4: 1570mm×320mm×75mm (Length × Width × Height), 1pc, class 6
- Specimen 5: 2070mm×320mm×75mm (Length × Width × Height), 1pc, class 6
- Specimen 6: 2570mm×320mm×75mm (Length × Width × Height), 1pc, class 6
- Specimen 7: 3070mm×320mm×75mm (Length × Width × Height), 1pc, class 5

Test Result:

Specimen No.	Test Item	Test Span(mm)	Test Result	Requirement in EN 12811-1:2003 Clause 6.2.2.2	Conclusion
1	Uniformly Distributed Service Load	730	The working area could support the uniformly distributed load	The working area shall be capable of supporting the uniformly distributed load	Pass
2		1090	The working area could support the uniformly distributed load		Pass
3		1400	The working area could support the uniformly distributed load		Pass
4		1570	The working area could support the uniformly distributed load		Pass



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5		2070	The working area could support the uniformly distributed load		Pass
6		2570	The working area could support the uniformly distributed load		Pass
7		3070	The working area could support the uniformly distributed load		Pass

Test Photo(s):

	
Specimen 1 - In Test	Specimen 2 - In Test



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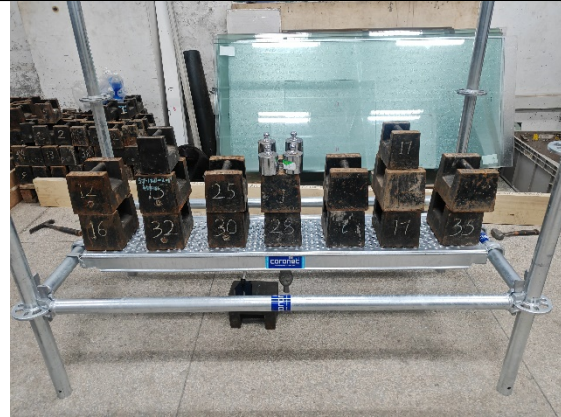
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Specimen 3 - In Test



Specimen 4 - In Test



Specimen 5 - In Test



Specimen 6 - In Test

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Specimen 7 - In Test



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2. Test Item: Concentrated Load on Area 200mm × 200mm

Test Method: EN 12811-1:2003 Clause 6.2.2.3

Test Condition:

Specimen 1: 730mm×320mm×75mm (Length × Width × Height), 1pc, class 6

Specimen 2: 1090mm×320mm×75mm (Length × Width × Height), 1pc, class 6

Specimen 3: 1400mm×320mm×75mm (Length × Width × Height), 1pc, class 6

Specimen 4: 1570mm×320mm×75mm (Length × Width × Height), 1pc, class 6

Specimen 5: 2070mm×320mm×75mm (Length × Width × Height), 1pc, class 6

Specimen 6: 2570mm×320mm×75mm (Length × Width × Height), 1pc, class 6

Specimen 7: 3070mm×320mm×75mm (Length × Width × Height), 1pc, class 5

Test Result:

Specimen No.	Test Item	Test Span(mm)	Test Result	Requirement in EN 12811-1:2003 Clause 6.3.1	Conclusion
1	Concentrated load on area 200mm × 200mm	730	The platform could support the concentrated load on area 200mm × 200mm in the most unfavorable position and the deformation of the platform is 1.85mm.	The platform can support the concentrated load on area 200mm × 200mm in the most unfavorable position and the deformation of platform shall not exceed 1/100 of its span.	Pass
2		1090	The platform could support the concentrated load on area 200mm × 200mm in the most unfavorable position and the deformation of the platform is 2.08 mm.		Pass



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3		1400	The platform could support the concentrated load on area 200mm × 200mm in the most unfavorable position and the deformation of the platform is 1.85 mm.		Pass
4		1570	The platform could support the concentrated load on area 200mm × 200mm in the most unfavorable position and the deformation of the platform is 1.43 mm.		Pass
5		2070	The platform could support the concentrated load on area 200mm × 200mm in the most unfavorable position and the deformation of the platform is 3.87mm.		Pass
6		2570	The platform could support the concentrated load on area 200mm × 200mm in the most unfavorable position and the deformation of the platform is 4.26 mm.		Pass



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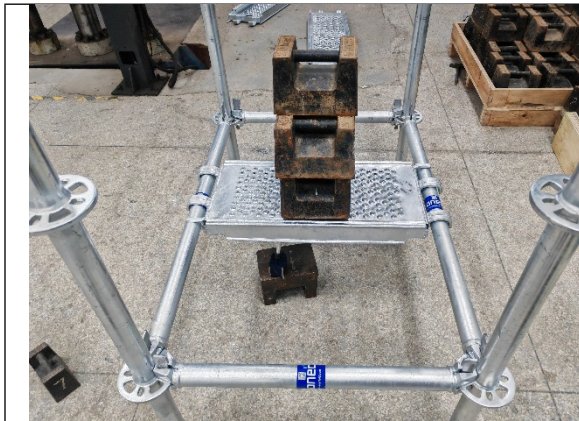
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7	3070	The platform could support the concentrated load on area 200mm × 200mm in the most unfavorable position and the deformation of the platform is 6.10 mm.	Pass
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Test Photo(s):



Specimen 1 - In Test



Specimen 2 - In Test



Specimen 3 - In Test



Specimen 4 - In Test



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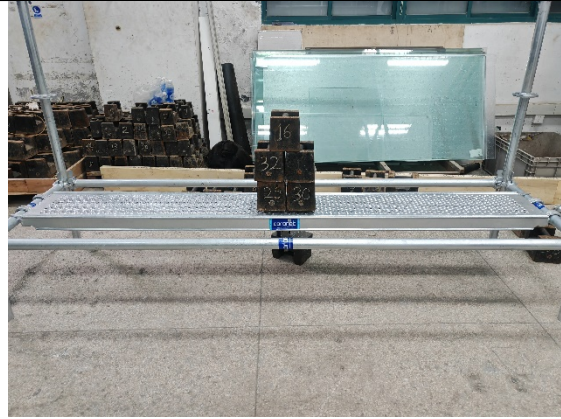
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Specimen 5 - In Test



Specimen 6 - In Test



Specimen 7 - In Test

Appendix A - Service Loads on Working Areas

Load Class	Uniformly Distributed Load q_1 (kN/m ²)	Concentrated Load on Area 500mm × 500mm F_1 (kN)	Concentrated Load on Area 200mm × 200mm F_2 (kN)	Partial Area Load	
				q_2 (kN/m ²)	Partial Area Factor a_p
1	0.75	1.50	1.00	-	-
2	1.50	1.50	1.00	-	-
3	2.00	1.50	1.00	-	-



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4	3.00	3.00	1.00	5.00	0.4
5	4.50	3.00	1.00	7.50	0.4
6	6.00	3.00	1.00	10.00	0.5

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