REPORT

Issued by an Accredited Testing Laboratory

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Date	Reference	Page
2025-10-27	1338415A	1 (1)

Essem Design AB
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SWEDEN

Testing of storage furniture according to EN 16121:2024

(3 appendices)

Customer:	Essem Design AB
Test object/ID:	Storage/Classic hook strip
Test methods:	EN 16121:2024 Non-domestic storage furniture – Requirements for safety, strength, durability and stability, test severity 1
Test environment:	23 ± 2ºC and 50 ± 5% relative humidity
Scope:	Complete test
Date of test:	2025-10-20
Test result:	The tested object passed the test
Reservation:	The test results in this report apply solely to the specimen tested
Measurement uncertainty:	Decision rule according to EN ISO IEC 17025:2018 clause 3.7 No account is taken of measurement uncertainty when reporting numerical results

RISE Research Institutes of Sweden AB
Department Building and Real Estate - Technical Wood Assessment

Performed by

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Examined by

Bengt-Åke Andersson

Appendices

1. Test result (1 page)
2. Test object (1 page)
3. Pictures (1 page)

Accred. No. 1002
Testing
ISO/IEC 17025

Appendix 1

Test result

Abbreviations: N/A = Not applicable
N/T = Not tested

Table 1

1.	General requirements EN 16121 clause 5.2 – 5.5	Result
1.1	Accessible edges and corners shall be free from burrs and rounded or chamfered. There shall be no open-ended tubes. All moveable parts accessible during normal use shall have safety distances in any position during movement of ≤ 8 mm or ≥ 25 mm. This applies to any two elements moving relatively to each other, except for doors, flaps and extension elements. The safety distance also applies to the distance between handles and other parts. Adjustable parts shall be such as to prevent in advertent operation or release. Vertically sliding roll fronts shall not close by themselves from any position higher than 200 mm measured from the closed position. Extension elements shall have effective open stops. They shall resist being pulled out of the carcass once by a horizontal force of 200 N applied to the handle of the loaded extension element. Load bearing parts of the storage unit shall not come loose unintentionally. Safe height for vertically moving units shall be at least 100 mm from the floor. Horizontal lids that are 1 000 mm or less from the floor and weigh 0.25 kg or more, that are hinged, shall be provided with lid-support mechanisms. Any external, vertical glass component which is less than 900 mm above the floor, shall not break or become detached, when impacted once in accordance with EN 14072:2003, Clause 5, with a drop height of 70 mm.	Pass

Table 2

2.	Structural safety tests	EN 16121	Cycles	Loading	Result
2.1	Dislodgement test (complete unit) Note. This test is only applicable for units not supported by the floor	5.8.1.14	1	100 N	Pass

Table 3

3.	Strength & durability tests	EN 16121	Cycles	Loading	Result
3.1	Strength of coat hooks	6.1.2	10	40 N/hook	Pass

Appendix 2

Test object

Test object/ID:	Storage/Classic hook strip
Dimensions [1]	
Width:	1000 mm
Depth:	60 mm
Mass:	1 kg
Components	
Hook strip:	Metal tube, Ø 16 mm
Knobs:	Metal
Sampling:	The test object was selected by the customer
Date of arrival at RISE test laboratory:	2025-09-22
Observed defects before testing:	No defects

[1] The dimensions are only intended to unambiguously identify the test object and do not claim to be metrologically accurate

Appendix 3

Pictures

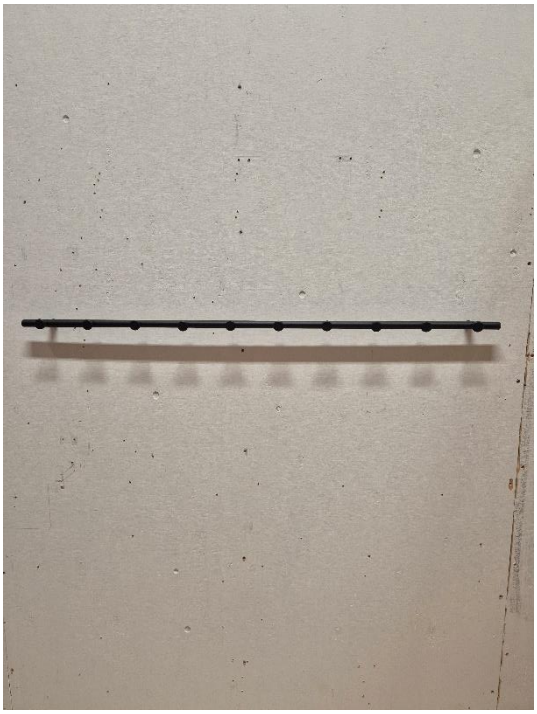

Figure 1

Figure 2

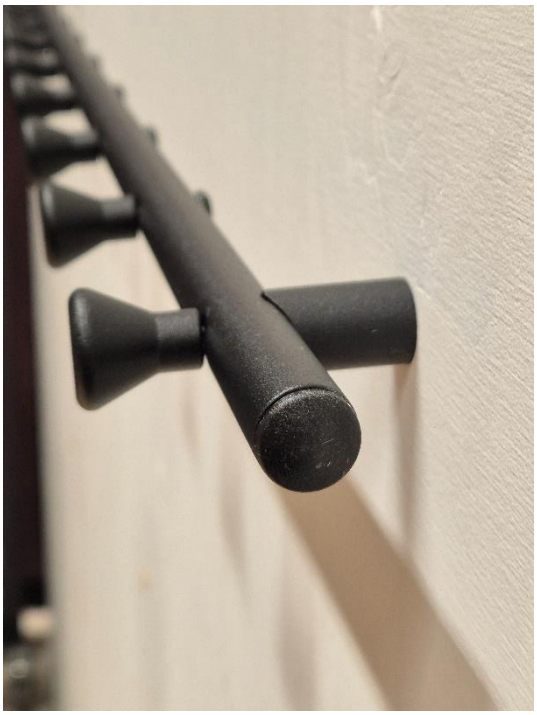

Figure 3

Figure 4

Verifikat

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Dokument

1338415A Essem Design AB Classic hook strip EN 16121
Huvuddokument
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Signerare

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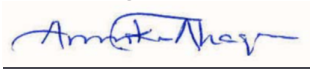

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