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Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 01/31/17

• Our details
Report no.: 61/60336309/ 1 11 420r - resumé
Contract ref.: 2098340

• Your details
Ref.: Your mail 07/11

• Intervention data
Place: labo AIB-Vinçotte International laboratory
Date: October november 2011
Performed by: Roland Gregoire, Marc Mathieu

Jomy s.a.
Rue Bourgogne 20
B-4452 Juprelle (Wihogne)

TESTS ON A RETRACTABLE LADDER JOMY.

1. Purpose of our examination

As requested by your departments, we carried out:

1. the tests and examinations as stipulated in the NBN EN 131-2, NBN EN 131-4 and NEN2484 standards on one part of the Jomy retractable ladder.

2. a (static) buckling test up to 5T on one part of a Jomy retractable ladder.

2. Conclusion

The retractable ladder is conform with points 4.2.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7 and 5.15 of the standard EN 131-2.
The retractable ladder is conform with point 6.2.3 of the standard EN 131-4.
The retractable ladder is conform with points 7.2.2.2., 7.6.2.3, 7.6.2.1 et 7.6.2.4 of the standard NEN2484
The result of the static test on a beam is satisfactory. There was no permanent buckling of the beam after the test.

3. Notes

3.1. This report is a resumé of report 61/60336309/ 1 11 420r – rev3, in which you find the details of these tests.
3.2 This report cannot be copied, unless in full, without permission from AVI.
3.3 The test results relate only to those items tested.
3.4 This report is a translation. In case of any difference the wording of the French original report and annexes prevails

Marc Mathieu

Date: 07/11/2011
Number of pages: 2
Appendix:
Distribution: or.
cc.

For the Director

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3. *Results*

Description	***Measured***	***Permitted***	***Conclusion***
Verification of conformity with point 4.2.1 (standard EN131-2)			OK
Strength test of stiles (5.2 - EN131-2:2010)	1 mm	2.22 mm	OK
	1 mm	2.22 mm	OK
Bending test of the stiles (5.3 - EN131-2:2010)	4 mm	29.96 mm	OK
	7 mm	29.96 mm	OK
Lateral deflection test of the ladder (5.4 - EN131-2:2010)	3 mm	12.24 mm	OK
	2.5 mm	12.24 mm	OK
Bottom stile ends test (5.5 - EN131-2:2010)	2 mm	2 mm	OK
	2 mm	2 mm	OK
Vertical load on rungs, steps and platforms (5.6 - EN131-2:2010)	0 mm	3 mm	OK
Torsion test of rungs and steps (5.7 - EN131-2:2010)	0.6 mm	1 mm	OK
Torsion on ladder length (5.15 - EN131-2:2010)	11.8°	18°	OK
	12°	18°	OK
Fatigue test of hinge joint (cycluc tests of the hinges EN131-4 6.2.3)			OK
Defclection test with asymmetrical load (NEN 2484 - 7.2.2.2)	0.3°	2°	OK
	0.1°	2°	OK
Fatigue test 10.000 cycles (NEN 2484-7.6.2.3)			OK
Rung attachment test on sliding (NEN 2484-7.6.2.1)			OK
Tensile test of strungs (NEN 2484 - 7.6.2.4)			OK

Results of the buckling test

Loads in kg	Deformations in mm (longitudinal)	Deformations in mm (lateral)
0	0	0
1000	1	0
2000	1	1
3000	2	1
4000	3	1
5000	4	2
0	0	0
6000	5	4
0	0	0