

# Test Report

Avanti Wind Systems SL  
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Included Enclosure(s): 1  
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KKE/CXH

## Sample Description

One type of Avanti standard duty aluminum ladders submitted to FORCE Technology October 2012:

FORCE ladder No.:	1
Ladder type:	One-piece leaning rung ladder
Stile material thickness:	Inner side: 1.50 mm Outer side: 1.20 mm
Width:	420 mm
Nominal total length:	4200 mm
Cross section, stile	61×25 mm
Cross section, rung:	27×29 mm
Number of rungs:	15

## Testing

Testing was performed in accordance with EN 131-2:2010 for the following test clauses:

§5.2	Strength test
§5.3	Bending test
§5.4	Lateral deflection
§5.5	Bottom stile ends
§5.6	Bending test of rung
§5.7	Torsion test of rung
§5.15	Torsion on ladder length

Tests performed October-November 2012

## Results

Test results are seen in enclosure No. 1 of this report.

## Conclusion

The tested type of ladder, Avanti standard duty with length 4200 mm and width 420 mm, fulfils the requirements in accordance with EN 131-2:2010 for the test clauses mentioned in enclosure No. 1 of this report

FORCE Technology  
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