



# Roof Angel<sup>™</sup>

## Declaration of Conformity

October 2016  
Revision 2.1

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## Roof Angel Declaration of Conformity

### Tests & Results

- EN795: 2012 Type C
- CEN/TS 16415:2013 Type C
- EN795: 2012 Type A
- CEN/TS 16415:2013 Type A

SATRA Type C Technical Report Pass Sheets    March 2015

SATRA Type A Technical Report Pass Sheets    June 2016

# Declaration of Conformity

June 2016

Bettersafe International BV declare that the:

Roof Angel Horizontal Lifeline System

As tested by:

SATRA Technology Centre,  
Wyndham Way,  
Telford Way,  
Kettering,  
Northamptonshire,

Passed the following tests:

EN795:2012  
CEN/TS 16415:2013

Under the reference

(SATRA)	SPC0224800/1419	Type C
(SATRA)	SPC0250284/1639/3	Type C
(SATRA)	SPC0245364/1618/1	Type A
(SATRA)	SPC0224610/1418/2	Roof Sheet Testing

Further details are on the following pages. Additional information available if required.



Steve Jervis  
Development Director

# Tests

EN795:2012 Type C March 2015

Clause	Standard	Description	Result
4.1	EN795:2012	General	PASS
4.2	EN795:2012	Materials	PASS
4.3	EN795:2012	Design & Ergonomics	PASS
4.4	EN795:2012	Specific Requirements – Type C	PASS
4.4.3.1	EN795:2012	0.7kN for 1 minute – No Permanent Deformation	PASS
4.4.3.2	EN795:2012	Prediction Calculation Software	PASS
4.4.3.3	EN795:2012	Prediction Calculations within 20% of test results	PASS
4.4.3.4	EN795:2012	Dynamic 100kg Maximum Span Single Span	PASS
4.4.3.4	EN795:2012	Static 300kg 3 minutes	PASS
4.4.3.4	EN795:2012	Dynamic 100kg Minimum Span Single Span	PASS
4.4.3.4	EN795:2012	Static 300kg 3 minutes	PASS
4.4.3.4	EN795:2012	Dynamic 100kg Maximum Multi Span	PASS
4.4.3.4	EN795:2012	Static 300kg 3 minutes	PASS
4.4.3.4	EN795:2012	Dynamic 100kg Minimum Multi Span	PASS
4.4.3.4	EN795:2012	Static 300kg 3 minutes	PASS
4.4.3.4	EN795:2012	Dynamic 100kg All Locations Multi Span	PASS

# Tests

CEN/TS 16415:2013 Type C March 2015

Clause	Standard	Description	Result
4.1	CEN/TS 16415:2013	General	PASS
4.2	CEN/TS 16415:2013	Specific Requirements – Type C	PASS
4.2.4.1	CEN/TS 16415:2013	Dynamic 200kg Maximum Span Single Span	PASS
4.2.4.1	CEN/TS 16415:2013	Static 600kg 3 minutes	PASS
4.2.4.1	CEN/TS 16415:2013	Dynamic 200kg Minimum Span Single Span	PASS
4.2.4.1	CEN/TS 16415:2013	Static 600kg 3 minutes	PASS
4.2.4.1	CEN/TS 16415:2013	Dynamic 200kg Maximum Multi Span	PASS
4.2.4.1	CEN/TS 16415:2013	Static 600kg 3 minutes	PASS
4.2.4.1	CEN/TS 16415:2013	Dynamic 200kg Minimum Multi Span	PASS
4.2.4.1	CEN/TS 16415:2013	Static 600kg 3 minutes	PASS
4.2.4.1	CEN/TS 16415:2013	Dynamic 200kg All Locations Multi Span	PASS
4.2.4.2	CEN/TS 16415:2013	Max load shall not exceed 50% of Min Breaking Strength	PASS
4.2.4.3	CEN/TS 16415:2013	Prediction Calculations within 20% of test results	PASS
4.2.4.4	CEN/TS 16415:2013	Static 13kN 3 minutes (12kN + 1kN per additional user)	PASS
4.2.4.1	CEN/TS 16415:2013	Dynamic 100kg with 200kg suspended All Locations Multi Span	PASS
4.2.4.2	CEN/TS 16415:2013	Max load shall not exceed 50% of Min Breaking Strength	PASS
4.2.4.3	CEN/TS 16415:2013	Prediction Calculations within 20% of test results	PASS
4.2.4.4	CEN/TS 16415:2013	Static 14kN 3 minutes (12kN + 1kN per additional user)	PASS
4.2.4.1	CEN/TS 16415:2013	Dynamic 200kg All Locations Multi Span	PASS
4.2.4.6	CEN/TS 16415:2013	If corners/intermediates are fixed test as single span	N/A

# Tests

EN795:2012 Type A June 2016

Clause	Standard	Description	Result
4.1	EN795:2012	General	PASS
4.2	EN795:2012	Materials	PASS
4.3	EN795:2012	Design & Ergonomics	PASS
4.4	EN795:2012	Specific Requirements – Type A	PASS
4.4.1.1	EN795:2012	0.7kN for 1 minute – No Permanent Deformation	PASS
4.4.1.2	EN795:2012	Dynamic 100kg	PASS
4.4.1.2	EN795:2012	Static 300kg 3 minutes	PASS
4.4.1.3	EN795:2012	Static 12kN 3 minutes	PASS

# Tests

CEN/TS 16415:2013 Type A June 2016

Clause	Standard	Description	Result
4.1	CEN/TS 16415:2013	General	PASS
4.2	CEN/TS 16415:2013	Specific Requirements – Type A	PASS
4.2.1.1	CEN/TS 16415:2013	Dynamic 200kg	PASS
4.2.1.1	CEN/TS 16415:2013	Static 600kg 3 minutes	PASS
4.2.1.3	CEN/TS 16415:2013	Static 13kN 3 minutes <i>(12kN + 1kN per additional user)</i>	PASS

# Declaration of Conformity

## Roof Type Testing

Roof Type	Fixing Type	Details	Destruction Load kN	Maximum End Load kN
Single Ply Membrane	Toggle Bolts	60mm Insulation, Steel Deck	20.70	10.35
Single Ply Membrane	Toggle Bolts	60mm Insulation, 18mm Plywood Deck	25.90	12.95
Profile Sheet Composite	Rivet	0.5mm Steel Composite Panel	24.10	12.05
Profile Sheet Single Skin	Rivet	0.4mm Steel Deck	8.80	4.40
Profile Sheet Single Skin	Rivet	0.7mm Steel Deck	24.20	12.10
Standing Seam Build Up	Clamp	0.9mm Aluminium Top Deck	24.40	12.20





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