

# Declaration of Conformity

17<sup>th</sup> March 2015

Bettersafe International BV declare that the:

Guard Angel Guard Rail System

As tested on:

4<sup>th</sup> August 2014

By:

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

Passed the following tests:

EN 13374:2013  
EN 14122-3:2001 + A1:2010

Under the reference

(SATRA) SPC0226248/1426/2

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

A blue ink signature of Steve Jervis, consisting of a large, stylized 'S' followed by a series of loops and a final flourish.

Steve Jervis  
Development Director



Firm: Universal Safety Systems Limited  
Unit C3 & C4  
Ryelands Business Centre  
Ryelands lane  
Elmley Lovett  
Worcestershire  
WR9 0PT

For the attention of: Andrew Davis

## Technical Report

Subject: LIMITED TESTING OF GUARD RAIL IN ACCORDANCE WITH EN 13374: 2013  
& EN 14122-3: 2001 + A1: 2010

Our ref: SPC0226248/1426/2

Date: 4<sup>th</sup> August 2014

### Conditions of Issue:

This report may be forwarded to other parties provided that it is not changed in any way. It must not be published, for example by including it in advertisements, without the prior, written permission of SATRA.

Results given in this report refer only to the samples submitted for analysis and tested by SATRA.  
Comments are for guidance only.

A satisfactory test report in no way implies that the product tested is approved by SATRA and no warranty is given as to the performance of the product tested. SATRA shall not be liable for any subsequent loss or damage incurred by the client as a result of information supplied in the report.

Report signed by: D Harrison  
Position: PPE Technologist  
Department: Safety Product Centre



## WORK REQUESTED

Samples of Guard Rail were received by SATRA on 18<sup>th</sup> July 2014, for limited testing in accordance with EN 13374: 2013 Temporary edge protection systems clauses 5.1.1, 5.1.3, 5.1.4, 5.2.1, 6.3.2, 6.3.3, 6.3.6 & 6.3.7; and EN 14122-3: 2001 + A1: 2010 clauses 7.1 & 8.2

## CONCLUSIONS

SAMPLE REFERENCE	STANDARD	CLAUSE / PROPERTY	PASS / FAIL
Unreferenced Guard Rail	EN 13374: 2013	5.1.1 Basic requirements	PASS
		5.1.3 Principal guardrail	PASS
		5.1.4 Toe board	PASS
		5.2.1 Additional requirements – Edge protection system class A	PASS
		6.3.2 Static loads – Serviceability limit state	PASS
		6.3.3 Static loads – Ultimate limit state – Point loads	PASS
		6.3.6 Static loads – Ultimate limit state – Load parallel to the edge protection system	PASS
		6.3.7 Static loads – Ultimate limit state with accidental loads	PASS
	EN 14122-3: 2001 + A1: 2010	7.1 Safety requirements applicable to guard-rails – Horizontal guard rails	PASS
		8.2 Testing of guard rails	PASS

## TESTING

Testing was carried out in accordance with EN 13374: 2013 & EN 14122-3: 2001 + A1: 2010 on 18<sup>th</sup> July 2014 in the presence of representatives from Universal Safety Systems Limited

Testing was carried out on one sample of guardrail using a dry concrete test surface

Samples were tested as received, and were not subject to any pre-conditioning processes other than those stated in individual test clauses