




Test Report

Report No	247/7273458	This Report consists of 6 pages
Client	Seih-Ying Co Limited No. 68 Kuang Fu N. Road HSIN CHU 303 Taiwan R.O.C.	
Authority & date	Client's acceptance form dated 19 August 2008	
Items tested	One type of non-depressible road stud	
Specification	BS EN 1463-1:1998 clauses 4, 5 and 7 only	
Results	The results obtained are detailed within this report	
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Authorized by	C. Stratford  Principal Engineer-Section Head, Lighting Technology	
Issue Date		
Conditions of issue	This Test Report is issued subject to the conditions stated in current issue of PS082 'General conditions relating to acceptance of testing'. The results contained herein apply only to the particular sample/s tested and to the specific tests carried out, as detailed in this Test Report. The issuing of this Test Report does not indicate any measure of Approval, Certification, Supervision, Control or Surveillance by BSI of any product. No extract, abridgement or abstraction from a Test Report may be published or used to advertise a product without the written consent of the Managing Director, BSI Product Services, who reserves the absolute right to agree or reject all or any of the details of any items or publicity for which consent may be sought.	

1. INTRODUCTION

One type of non-depressible road stud using rubber bases with glass reflective inserts in white were submitted on 20 July 2008 for testing to the relevant requirements of BS EN 1463-1:1998 'Road marking materials – Retroreflecting road studs'- clauses 4, 5 and 7 only.

1.1 Samples tested

The sample types submitted are detailed below:

Siglite Kerb-Stud D50, non-depressible in white

See photograph in Appendix A of this report.

2. TESTS

The tests were made in accordance with the requirements of clauses 4 and 5 only of BS EN 1463-1:1998 'Road marking materials – Retroreflecting road studs'.

The tests were commenced on 26 August 2008.

3. RESULTS

The results obtained are detailed on the following data sheets.

DATA SHEET FOR TESTS ON ROAD STUDS TO BS EN 1463-1:1998**MODEL NAME: Siglite Kerb-Stud D50**

CLAUSE 4 Type of road stud P (Permanent)

 Type of reflector 1 (Glass)

 Type of design A (Non-depressible)

CLAUSE 5 Performance requirements

5.1 Construction Pass

5.2 Dimensions (values in mm) Pass

Class of road stud	Height of road stud	Horizontal dimensions	
		Length	Width
H 0	12.7 mm		
HD 0		N/A	50.9 mm

5.3 Night-time visibility

5.3.1 Photometric requirements

5.3.1.1 Permanent road stud Pass

Coefficient of luminous intensity

Observation Angle	0.3°		1.0°		2.0°	
	5°L	5°R	10°L	10°R	15°L	15°R
White 4	49	47	23	31	6.5	9.1
Spec min limit	20	20	10	10	2	2
White 5	24.6	22.1	21.6	18.0	1.6	2.6
Spec min limit	20	20	10	10	2	2
White 10	42.8	46.6	8.8	18.1	2.6	4.3
Spec min limit	20	20	10	10	2	2

(measured values in mcd/lux)

DATA SHEET FOR TESTS ON ROAD STUDS TO BS EN 1463-1:1998**MODEL NAME: Siglite Kerb-Stud D50****CLAUSE 5 - (Continued)**

5.3.1.2	Temporary studs	Not applicable
5.3.1.3	Interpretation of result	Not applicable
5.3.2	Colorimetric requirements	

Sample	Colour coordinates			Result
	x	y	z	
White	0.464	0.420	0.11	Pass

5.4	Daytime visibility of temporary road studs	Not applicable
5.5	Resilience of depressible road studs	N/A

CLAUSE 7 Markings No Markings on Studs

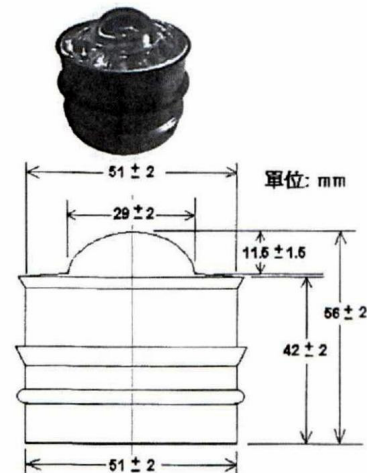
 No packaging provided

Full information on stud type and performance classes can only be ascertained on completion of road trials.

APPENDIX A



Siglite Kerb-Stud D50



Description

Siglite Kerb-Stud highlights the edge of the carriageway creating reflective kerbstones. Fulfils EN 1463 – 2.

Applications

- Improvement of the night visibility of curbs
- Roundabouts
- Traffic islands
- Tunnels
- Exit ramp nosings
- Lane dividers. walk ways

Advantages

- No electrostatic loading and thus no contamination.
- Dirt resistant design
- Simple and fast assembly (no adhesive necessary)
- Substantially larger life span than markers from plastic or aluminium.
- Maintenance free

Product range

Standard colour: white
Other colours on request.

Technical characteristics

Weight:	approx. 150 g
Material :	Tempered glass
Compression strength :	approx. 18 tonnes
Installation :	Drill diameter 50mm, drill depth approx. 45 mm
Standard colour :	white
Fastening system :	Mechanical fixation
Optical principle :	Catadioptric
Reflection type :	360°
Fullfils standard:	EN 1463 part 2 (valid for white)

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Photographs of road studs submitted



Siglite Kerb-Stud D50 in white