



Test Report



Product Services

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|---------------------|---|---------------------------------|
| 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 | |
| Prepared by | N. Debrick Technician Engineer  | |
| Authorized by | C. Stratford  Principal Engineer-Section Head, Lighting Technology | |
| Issue Date |  11 September 2008 | |
| Conditions of issue | <p>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.</p> <p>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.</p> | |

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 | |
|--------------------|---------------------|-----------------------|---------|
| H 0 | 12.7 mm | Length | Width |
| 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)



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° |
| Fulfils standard: | EN 1463 part 2 (valid for white) |

Photographs of road studs submitted



Siglite Kerb-Stud D50 in white