

## TEST REPORT

Report No. 70548

Page 1 of 4

Client Seih-Ying Co., Ltd.  
No.68, Kuang Fu N. Rd.  
Hsin Chu Industrial Park  
303 HSIN CHU  
  
Tel 00886 3 5984567  
Fax 00886 3 5977899  
Email seih-ying@msa.hinet.net

Report date 10 November 2006

Items tested SIGLITE K.S.

Specification BS EN 1463-2: 2000

Results The results obtained are detailed within this Report

Authorised by

  
Eric Goulden  
Technical Director

## 1. INTRODUCTION

Siglite K.S. road studs were submitted on 01 September 2005 for testing to the relevant requirements of BS EN 1463-2: 2000 'Road marking materials – Retroreflecting road studs'. The road trial site selected was the N7 Portlaoise Bypass dual carriageway, Ireland

### 1.1 Samples tested

Fifty samples of each of the following types of white road stud were submitted for testing. Photograph of typical road stud after trial.



The adhesive used for the road trials was Eurimex hot melt.

## 2. TESTS

The tests were made in accordance with the requirements of the relevant clauses of BS EN 1463-2: 2000 'Road marking materials – Retroreflecting road studs'.

The road studs were laid in accordance with clause 4 and at the end of the test period (1 year) ten studs were selected as detailed in clause 5.5.

The selected studs were then assessed for night-time visibility.

The tests were commenced on 08 November 2006.

## 3. RESULTS

The results obtained are detailed on the following data sheets.

## 4. CONCLUSIONS

The Siglite K.S road stud was classified as S1 and R2 in accordance with BS EN 1463-2: 2000.

## DATA SHEET FOR TESTS ON ROAD STUDS TO BS EN 1463-2: 2000

**MODEL NAME:** Siglite K.S.

### CLAUSE 5 Road trial procedure

5.2	Stage 1: day light examination	Pass
5.3	Stage 2: night-time examination	Pass
5.4	Stage 3: primary assessment see clause 6	
5.7	Photometric test	
5.7.2	Night-time visibility measurement see clause 6	

Coefficient of retroreflection measured at an observation angle of  $0.3^\circ$  and an entrance angle of  $\pm 5^\circ$ .

Mean achieved: 12 mcd/lux minimum requirement 20 mcd/lux

### CLAUSE 6 Performance for road users

a)	Primary assessment	S1
b)	Night-time visibility	R2