

TEST REPORT

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Items tested SIGLITE 14 mm

Specification BS EN 1463-2: 2000

Results The results obtained are detailed within this Report

Authorised by



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Technical Director

1. INTRODUCTION

Siglite 14mm road studs were submitted on 10 September 2009 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 test studs were removed from the road surface on 10 September 2010. The laboratory tests were carried out on 14 September 2010

3. RESULTS

The results obtained are detailed on the following data sheets.

4. CONCLUSIONS

The Siglite 14mm road stud was classified as S1 and R1 in accordance with BS EN 1463-2: 2000.

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

MODEL NAME: Siglite 14 mm

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° and an entrance angle of $\pm 5^\circ$.

Mean achieved: 33.9 mcd/lux. Minimum requirement 20 mcd/lux

CLAUSE 6 Performance for road users

a)	Primary assessment	S1
b)	Night-time visibility	R1