

## TEST REPORT

ORAFOL Europe GmbH  
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Orafolstraße 2  
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Your Ref: Oralite HIP 5910  
Our ref: EE 749 (D)  
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Date: 17 January 2014  
Report No: 2330/ EE 749 (D)  
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TESTING TO STANDARD SANS 1519-1: 2006 (EDITION 2.2)  
"RETRO-REFLECTIVE SHEETING MATERIAL"  
AFTER TWENTY-FOUR MONTHS OF NATURAL WEATHERING CYCLE (PART B)

### 0. CONCLUSION

The sample complied with the requirements for coefficient of retro-reflection and colour and luminance factor as per class III requirements, as requested in clause 4, after the twenty-four months of natural weathering exposure cycle (Part B), as specified in standard SANS 1519-1: 2006 (Edition 2.2).

### 1. SAMPLE DESCRIPTION

TABLE 1 – SAMPLE DESCRIPTION

Sample description	Colours
Oralite HIP, series 5910 Class III	white
	yellow
	red
	green
	blue
	brown

### 2. SAMPLE SUBMITTED

The sample was received in a condition suitable for testing.

Date sample received : 28 November 2011  
Testing starting date : 28 November 2011  
Testing completion date : Tests in progress

SANAS Accredited Testing Laboratory No. T0085

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**3. TEST METHOD**

The tests were conducted in accordance with the test methods of standard SANS 1519- Part 1: 2006 (Edition 2.2).

**4. TESTS REQUESTED**

Coefficient of retro-reflection and colour and luminance factor checks at six-monthly intervals for a period of three years, as requested in the standard.

**5. TEST RESULTS****TABLE 2 – TEST RESULTS**

Description of requirements	Clauses	Test results
Natural weathering (after 24 months of natural weathering ) (visual appearance)	4.3.1	Complied
Coefficient of retro-reflection	4.3.1	Complied See attachments
Colour and luminance factor	4.3.1	Complied See attachments and luminance factors on Table 3

**TABLE 3 – LUMINANCE FACTOR**

Colours	Luminance factor	Standard
white	0,46	$\geq 0,27$
yellow	0,28	$\geq 0,16$
red	0,07	$\geq 0,03$
green	0,07	$\geq 0,03$
blue	0,04	$\geq 0,01$
brown	0,04	$\geq 0,03 < 0,09$

This test was performed by SABS SOC Ltd.

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