SABS

TEST REPORT

ORAFOL Europe GmbH
Attention: Mr. J. Ewald
Regulatory Affairs Manager
Orafolstraße 2
16515 ORANIENBURG, Germany

Your Ref:	Oralite 6710
Our ref:	GE 01 (F)
Enquiries	A. Rocha
Tel:	012 428 6365
Date:	27 February 2015
Report No:	**2330/ GE 01(F)**
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TESTING TO STANDARD SANS 1519-1: 2014 (EDITION 2. 3)
"RETRO-REFLECTIVE SHEETING MATERIAL"
AFTER TWO YEARS 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 I requirements, as requested in clause 3, after two years of natural weathering exposure cycle (Part B), as specified in standard SANS 1519-1: 2014 (Edition 2.3).

1. SAMPLE DESCRIPTION

TABLE 1 – SAMPLE DESCRIPTION

Sample description	Colours	Marking displayed on the front surface of sheeting
Oralite retro-reflective sheeting material Series 6710 Class I	White	OR 6710 7 Years RA1
	Yellow	
	Green	
	Blue	
	Brown	

2. SAMPLE SUBMITTED

The sample was received in a condition suitable for testing.

Submission date	:	10 January 2013
Testing starting date	:	10 January 2013
Testing completion date	:	24 February 2015

3. TESTS REQUESTED

Natural weathering test at six-monthly checks on coefficient of retro-reflection and colour and luminance factor for a period of two years.

SANAS Accredited Testing Laboratory No. T5008

4. TEST METHOD

The tests were conducted in accordance with the test methods of standard SANS 1519- Part 1: 2014 (Edition 2.3).

5. TEST RESULTS

TABLE 2 – TEST RESULTS

Description of requirements	Clauses	Test results
Natural weathering (after 2 years 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 factor in Table 3

TABLE 3 – LUMINANCE FACTOR

Colours	Luminance factor	Standard
white	O,45	≥0,35
yellow	0,31	≥0,27
green	0,07	≥0,04
blue	0,04	≥0,01
brown	0,04	≥ 0,03 ≤ 0,09

6. SUBCONTRACTING OF SABS LABORATORIES

None.

7. EXCLUSIONS

None.

8. UNCERTAINTY OF MEASUREMENT

The estimated uncertainty of measurement of the photometric measurement is approximately 5, 16 % for a 94, 84% level of confidence.

9. NOTE

The sample was exposed for a period of two years as part of the natural weathering cycle (Part B).

Tested by: A. Rocha
TECHNICAL SIGNATORY
LIGHTING TECHNOLOGY

Checked by: T. Fourie
MANAGEMENT SIGNATORY
LIGHTING TECHNOLOGY