

## TEST REPORT

ORAFOL Europe GmbH  
Attention: Dr. S. Lucht  
Orafolstraße 2  
16515 Oranienburg

Your Ref: Oralite matt-black  
Our ref: EE 766 (E)  
Enquiries: A. Rocha  
Tel: 012 428 6365  
Date: 17 January 2014  
Report No: 2330/ EE 766 (E)  
Page: 1 of 2

TESTING TO STANDARD SANS1519-1: 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 colour and luminance factor and specular gloss, 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	Marking on the liner	Batch number
Oralite 5075 M matt-black sheeting material	Orafol Oralite Lettering Film	08240636

### 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 : 16 January 2014

### 3. TEST METHOD

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

SANAS Accredited Testing Laboratory No. T0085

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SABS Commercial SOC Ltd conducted a conformity assessment pertaining to a sample of the product, commodity or system identified and the outcome recorded in this test report only relates to that specified sample. The conformity assessment outcomes recorded in the test report do not imply SABS Approval of the quality and/or performance of the sample(s) in question and the test results do not apply to any similar sample that has not been tested. (Refer also to the conditions of test printed on the back of this page.) This report may not be reproduced except in full. The authenticity of this report and its contents can be confirmed by contacting the person who signed it.



**4. TESTS REQUESTED**

Colour and luminance factor and specular gloss checks at six-monthly intervals for a period of two 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
Colour and luminance factor	4.3.1	Complied See attachment and luminance factor on Table 3
Specular gloss	4.3.1	Complied [not SANAS accredited] See Table 4 and Exclusions

**TABLE 3 – LUMINANCE FACTOR**

Luminance factor	Standard
0,01	≤0,03

**TABLE 4 – SPECULAR GLOSS**

Specular gloss	Standard
5,6	<35

**6. SUBCONTRACTING OF SABS LABORATORIES**

None.

**7. EXCLUSIONS**

Tests marked "Not SANAS Accredited" in this test report are not included in the SANAS Schedule of Accreditation for this laboratory.

**8. 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

This test was performed by SABS SOC Ltd.

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# SABS

## Photometric Test Report

SANS 20027:1998 / ECE R27 : 1998 (Rev.1) Clause 3.1.1

SANS 1519-1 Matt-black D65

Date 16. Jan 2014

Time 10:00:13

Department Lighting Technology

Name A. Rocha

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Project : Photometric Requirements

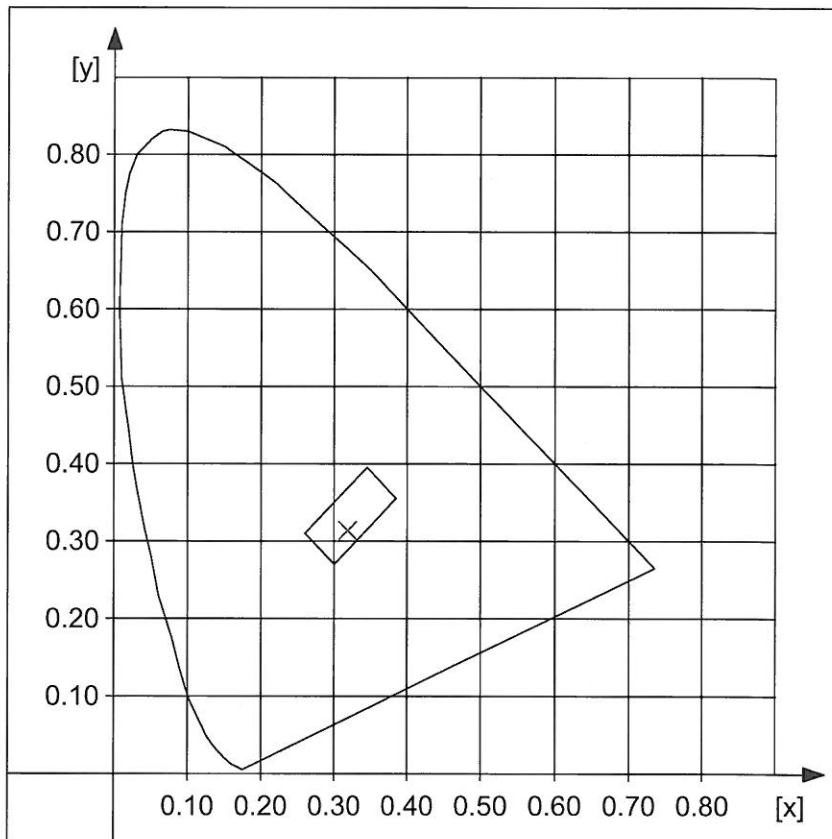
Job: 2330 / EE 766

Client: Orafol

Sample: Oralite non-reflective matt-black, series 5075M

Sample status: After 24 months exposure to natural weathering

colour region SANS 1519-1 Matt-black D65



Channel color standard

	H	V	colour x	colour y	illuminance lx
first angle	0.00	0.00	0.318	0.314	2.998

Test passed