

TEST REPORT

SABS

RENNICKS
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Your ref: DM Class I
Our ref: CE 203
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Report: 2330 / CE 203
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TESTING TO STANDARD SANS 1519-1: 2006 (EDITION 2.2) "RETRO - REFLECTIVE SHEETING MATERIAL" "AFTER EIGHTEEN MONTHS OF NATURAL WEATHERING CYCLE (PART B) "

0. CONCLUSION

The sample complied with the requirements as specified in standard SANS 1519-1: 2006 (Edition 2.2) for class I after twelve months of natural weathering cycle (Part B).

1. SAMPLE DESCRIPTION

TABLE 1 SAMPLE DESCRIPTION

Sample description	Colour	Marking
DaoMing Engineering Grade retro-reflective sheeting material (Class I)	White	D-Lite 08 Class I
	Yellow	
	Red	
	Green	
	Blue	

2. SAMPLE SUBMITTED

The sample received in a condition suitable for testing.

Submission date : 21 January 2008
Testing starting date : 21 January 2008
Testing completion date : Tests in progress

3. TESTS REQUESTED BY THE TEST SPONSOR

Natural weathering cycle as required by the standard.

SANAS Accredited Testing Laboratory No. T0085

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This test was performed by SABS Commercial (Pty) Ltd. This report and the test results relate only to the specific samples(s) identified herein. They do not imply SABS approval of the quality and/or performance of the item(s) in question and the test results do not apply to any similar item that has not been tested. (Refer also to the complete conditions printed on the back of this page.)



4. TEST METHOD

Conducted in accordance with the test methods of standard SANS 1519-1: 2006 (Edition 2.2).

5. SUBCONTRACTING OF SABS LABORATORIES

None.

6. TEST RESULTS**TABLE 2- TEST RESULTS**

Description of results	Test results	Clauses
Visual appearance	Complied	Clause 4 .3 .1
Coefficient of retro-reflection	Complied See attached photometric test results	Clause 4 .3 .1
Colour and luminance factor	Complied - See Table 3 (not SANAS Accredited) See Exclusions and attached chromaticity diagrams	Clause 4 . 3 .1

TABLE 3 - COLOUR AND LUMINANCE FACTOR

Colour	Chromaticity co-ordinates			Luminance factor	Minimum requirements
	x	y	z		
white	0,306	0,324	0,370	0,45	0,35
yellow	0,496	0,484	0,020	0,33	0,27
red	0,653	0,338	0,010	0,10	0,05
green	0,129	0,419	0,452	0,06	0,04
blue	0,144	0,109	0,747	0,04	0,01

7. EXCLUSIONS

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

8. UNCERTAINTY OF MEASUREMENT

The estimated uncertainty of measurement of the photometric measurement is approximately 5,8% for a 95 % level of confidence.

9. NOTE

The retro-reflective sheeting material must be exposed to a total of two years.



Tested by: J. Mashele
TEST OFFICER
LIGHTING TECHNOLOGY



Checked by: A. Rocha
TECHNICAL SIGNATORY
LIGHTING TECHNOLOGY