



## **Industrial Research Services**

Materials Science & Engineering, 37 Graham Road (PO Box 56), Highett, Victoria 3190, Australia  
Telephone: 61 3 9252 6000 Facsimile: 61 3 9252 6244 Web: <http://www.cmmt.csiro.au>

### **INDUSTRIAL RESEARCH SERVICES**

**Testing Authority - CSIRO**

07 June 2012

Our Ref. EN13/1991

#### **TEST REPORT No. 6293**

Requested by: GUARDIAN TACTILE SYSTEMS PTY LTD  
Address: Unit 11, 88 Erindale Road  
Balcatta  
WA 6021

on (date): 28 May 2012  
Manufacturer: GUARDIAN TACTILE SYSTEMS PTY LTD  
Product Desc: Tactile Indicators, Polyurethane, 300x300mm

Sampling details:  
Where: Delivered to Highett  
Date: 28 May 2012  
By Whom: Courier  
How (methods): N/A

#### **AS1428 Design for assess & mobility – tactile indicators Appendix E**

The results reported relate only to the sample(s) tested and the information received.

No responsibility is taken for the accuracy of the sampling unless it is done under our own supervision. CSIRO cannot accept responsibility for deviations in the manufactured quality and performance of the product. The reproduction of this test report is only authorised in the form of a complete photographic facsimile. Our written approval is necessary for any partial reproduction.

This test report consists of 3 pages

**CSIRO**

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TEST CARRIED OUT IN ACCORDANCE WITH

Test Date: 07 June 2012

**AS1428.1 Design for assess & mobility – tactile indicators  
 Part 4.1: Appendix E**

As requested we have determined the luminance contrast of the sample surfaces according to the Standards Australia AS1428 Design for assess & mobility – tactile indicators.

The instrument used, Gardner Gmbh Color-guide having the following settings, 45°/0° geometry, Y x y colour system and illuminate observer angle of D65/2°.

The surfaces were assessed along the length of the test sample. All means are based on 10 readings from the colour samples. The samples were tested wet & dry.

**RESULTS:**

**Luminance Contrast of Tactile Indicators, Polyurethane, 300x300mm**

Tactile component	Luminance Dry	Luminance Wet	Contrast Range 30%
Black UV	2.67	2.25	1.6 to 3.5
Terracotta UV	15.40	12.94	9.1 to 20.0
Yellow UV	44.71	41.11	28.8 to 58.1
Dark Grey UV	12.74	11.87	8.3 to 16.6
Ivory UV	63.73	60.99	42.7 to 82.8
Light Grey UV	41.62	39.65	27.8 to 54.1



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Date and Place

07 June 2012, Highett, Vic

Name, Title, and Signatures:



**ANDY GIANG**  
Technical Officer

CSIRO

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