

24 August 2007

Our Ref. EN13/1545 03/0212

Mr Michael DiGianni
 Safespot Australia Pty Ltd
 44 – 46 Moore Street
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Dear Mr DiGianni

Report No. 4038B

Luminance Contrast values for

Tactile Ground Surface Indicators – Grey Plastic
Granite Surface

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

The equation provided in Appendix F is as follows: $C = \frac{Y_2 - Y_1}{0.5(Y_1 + Y_2)}$

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°.

Fifteen of the TGSIs were randomly selected and the centre of each sample was assessed. The granite sample surface was tested across the available surface area. The samples were tested wet & dry.

Results:

Tactile Samples

| Assessment | Luminance | |
|---------------------|---------------------|---------------------|
| | Granite | TGSI |
| Mean value Dry | 4.63 | 15.78 |
| Contrast range Dry | 3.24 to 6.01 | 11.05 to 20.52 |
| Mean value Wet | 1.75 | 15.73 |
| Contrast range Wet | 1.22 to 2.27 | 11.01 to 20.45 |
| Mean contrast range | 1.20 to 6.05 | 11.0 to 20.5 |



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Tactile and Granite Surface

The luminance contrast range between the grey TGS1, wet or dry, exceeds the luminance contrast range of the granite surface, wet or dry, and complies with the requirements of AS 1428.2:2002, Appendix F.

A handwritten signature in black ink, appearing to read 'D.R. Weeks'.

D.R. Weeks
Technical Officer

CSIRO