

17 March 2008

Our Ref. EN13/1545 03/0212

Mr Michael DiGianni
 Safespot Australia Pty Ltd
 44 – 46 Moore Street
 LEICHHARDT
 NSW 2040

Dear Mr DiGianni

Report No. 4300

Luminance Contrast values for

**Tactile Ground Surface Indicator – Stainless Steel, Sandblasted
 Bluestone Surface – Sawn Finish
 Concrete Paver – Sealed
 Exfoliated Granite Surface**

As requested we have determined the luminance contrast of the tactile sample and the three samples; bluestone sawn finish, concrete paver (sealed), and exfoliated granite surface, 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°.

The TGSi was assessed five times from the centre of the sample. The stone sample surfaces were tested across the available 100x100mm surface area. The samples were tested wet & dry.

Results:

Tactile Samples

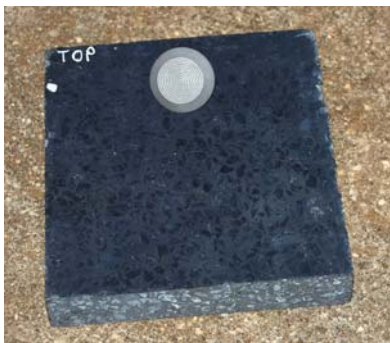
Assessment	Luminance values			
	Tactile	Bluestone	Paver	Granite
Mean value Dry	17.78	17.44	4.63	2.90
Contrast range Dry	9.78 to 25.78	12.20 to 22.67	3.24 to 6.01	2.03 to 3.76
Mean value Wet	13.86	4.02	1.75	1.52
Contrast range Wet	7.62 to 20.09	2.81 to 5.23	1.22 to 2.27	1.07 to 1.98
Mean contrast range	7.62 to 25.78	2.80 to 22.70	1.20 to 6.05	1.10 to 3.80



Tactile and Bluestone Surface – Dry and Wet



Tactile and Exfoliated Granite Surface – Dry and Wet



Tactile and Sealed Paver Surface – Dry and Wet



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Summary:

1. The luminance contrast range between the bluestone sample's surface, wet or dry, does not exceed the luminance contrast range of the stainless steel TGSi sample wet or dry. It will not comply with the requirements of AS 1428.2:2002, Appendix F.
2. The luminance contrast range between the sealed paver sample's surface, wet or dry, exceeds the luminance contrast range of the stainless steel TGSi sample wet or dry. It complies with the requirements of AS 1428.2:2002, Appendix F.
3. The luminance contrast range between the exfoliated granite sample's surface, wet or dry, exceeds the luminance contrast range of the stainless steel TGSi sample wet or dry. It complies with the requirements of AS 1428.2:2002, Appendix F.

A handwritten signature in black ink, appearing to read "D.R. Weeks", is positioned above the typed name.

D.R. Weeks
Technical Officer