Tredsafe®
DiamondTred

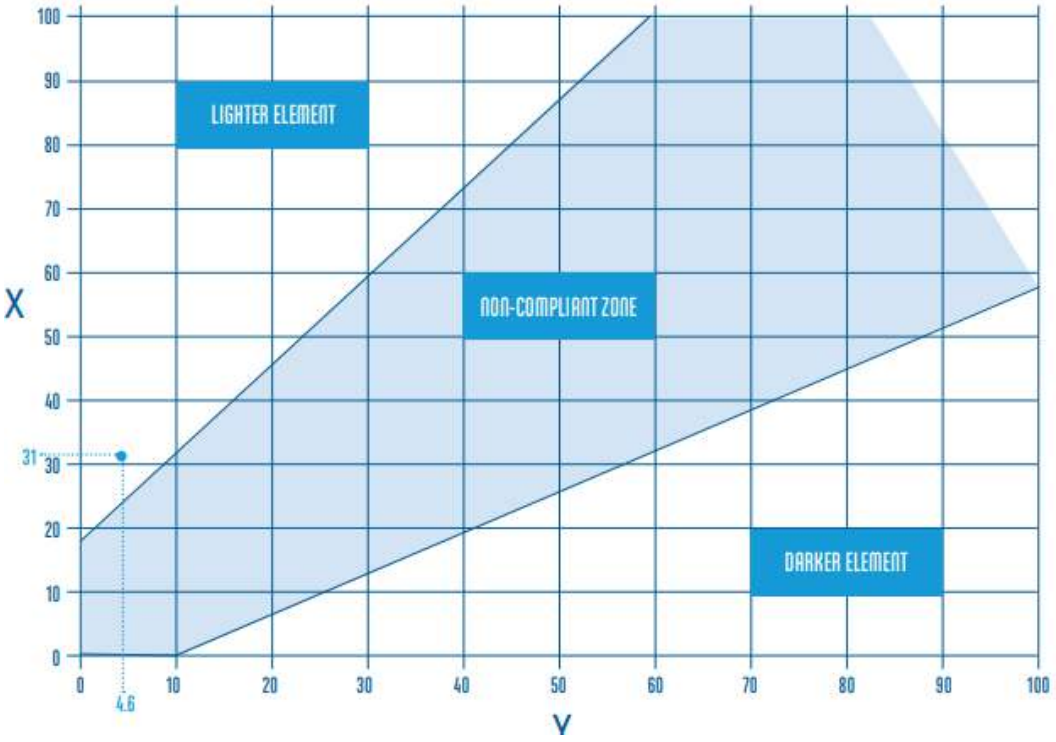
LRV Light Reflectance Values

Luminance Contrast Defined

The definition of Luminance Contrast in accordance with the AS/NZS Standard 1428.1 is 'The light reflected from one surface or component, compared to the light reflected from another surface or component'. It is not measured by the difference in the colour contrast (Background vs Foreground) but the difference in the light reflective properties of each colour.

Luminance Contrast Strip (Insert)

The Luminance Contrast Strip provides a visual marker identifying that the tread / riser intersection is evident and not obscured by similar products and colours (Blending in). The strip in accordance with AS1428.1 requires a luminance contrast of at least 30% with respect to the background material or substrate.



NOTE: Luminous reflectance of building elements must lie outside the shaded area. Of the 2 elements the lighter element is to be above the shaded area and the darker element is to be below the shade area

LRV Results

Tredsafe have now carried out several LRV tests in accordance with AS1428.1 Design for access and mobility – tactile indicators Part 4.1 Appendix E was undertaken to obtain the Tredsafe insert surface Luminance Reflectance Values. All building products denoted as a surface require an LRV. The LRV is strictly a Light Reflectance measurement taken from the surface of the stated product.

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Insert Colour		Mean Luminance DRY	Mean Luminance WET
	Safety White	49.9	48.7
	Safety Orange	22.4	21.0
	Signal Yellow	48.1	47.7
	Safety Green	9.0	8.5
	Safety Red	9.1	7.6
	Safety Blue	10.8	9.9
	Neutral Black	4.6	3.5
	Charcoal Grey	6.3	5.2
	Light Grey	22.7	21.0
	Rich Brown	9.2	8.5
	Putty	19.8	19.0
	Royal Blue	5.1	4.0
	Burgundy	5.5	5.1
	Mid Grey	11.5	10.6
	Jade Green	6.8	5.1
	Lumitred	45.2	45.5
	Safety Khaki	25.1	23.7
	Safety Pink	34.9	35.2
	Tredsafe Blue	13.8	13.3