



Access: Toilet Seats

Luminance Contrast

A guide to specifying Britex Toilet Seats for Accessibility

What is Luminance Contrast?

The Luminance Contrast refers to the degree of light absorbed/reflected of different colours. **To comply with AS1428 a minimum 30% luminance contrast** is required between the toilet seat and the toilet.

Light Reflectance Value (LRV)

To calculate the Luminance Contrast a Light Reflectance Value (LRV) of colours is to be determined. With the understanding that absolute Black will have 0% reflection and absolute White will have 100% reflection we are able to determine the LRV of most commercial colours. Realistically LRV's of everyday materials will fall between 5%-95%.

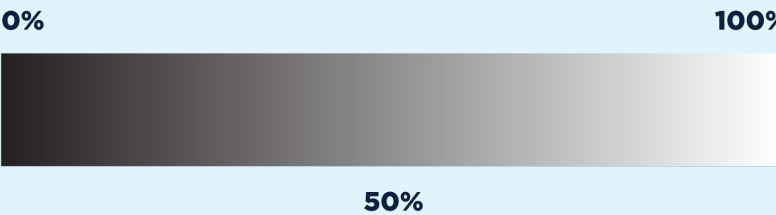
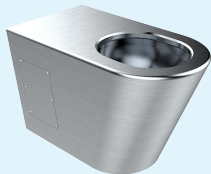
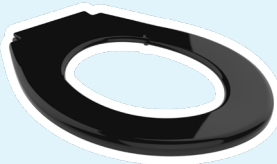

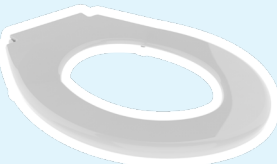


Fig.1: Light Reflectance Value (LRV) Chart

The values calculated below are averages based on other sources of independent testing of similar colours/materials. These are to be used as a guide only. Calculations were determined using Access Architect's The Luminance Contrast Calculator: <https://www.accessarchitects.com.au/luminance-contrast-calculator>

			
Britex SS Satin Finish	Britex Black Vandal Resistant Toilet Seat	Britex Navy Vandal Resistant Toilet Seat	Britex White Vandal Resistant Toilet Seat
LRV Value: 58%	LRV Value: 7%	LRV Value: 15%	LRV Value: 85%
	Luminance Contrast: 70.83%	Luminance Contrast: 54.85%	Luminance Contrast: 20.09%
	<small>*Calculated against Britex SS Pan</small>	<small>*Calculated against Britex SS Pan</small>	<small>*Calculated against Britex SS Pan</small>
When Seat is Paired with a Britex SS Access or Ambulant Pan:	Recommended for Access Use	Recommended for Access Use	Recommended for <u>Standard</u> Use Only

* Please note all values presented are approximates. The Luminance Colour Contrast Calculator used is to be design tool and should not replace independent testing from a third party to determine the luminance contrast of building materials. Sources used: <https://www.protactsystems.com.au/luminance-contrast/> <https://www.accessarchitects.com.au/vista-access-architects-blog/luminance-contrast-where-is-it-required>