

# Technical Note

## Gerard Roofs TSA/LRV Values Australia

TSA Total Solar Absorptance  
LRV Light Reflectance Value

	Australia			
	%TSA	LRV	NCC	BASIX NSW
<b>Smooth Finish</b>				
<b>Anvil</b>	<b>92.4</b>	<b>8.26 *</b>	<b>Dark</b>	<b>Dark</b>
<b>Chalk</b>	<b>42.2</b>	<b>65.5 *</b>	<b>Medium</b>	<b>Light</b>
<b>Drover Grey</b>	<b>66.7</b>	<b>38.6 *</b>	<b>Dark</b>	<b>Medium</b>
<b>Grey Gum</b>	<b>58.5</b>	<b>47.6 *</b>	<b>Medium</b>	<b>Medium</b>
<b>Obsidian</b>	<b>95.5</b>	<b>4.6 *</b>	<b>Dark</b>	<b>Dark</b>
<b>Oilskin</b>	<b>89.3</b>	<b>11.7 *</b>	<b>Dark</b>	<b>Dark</b>
<b>Textured Finish</b>				
<b>Ashwood</b>	<b>84.9</b>	<b>16.2 **</b>	<b>Dark</b>	<b>Dark</b>
<b>Charcoal</b>	<b>96.7</b>	<b>3.5 **</b>	<b>Dark</b>	<b>Dark</b>
<b>Midnight</b>	<b>95.0</b>	<b>2.2 **</b>	<b>Dark</b>	<b>Dark</b>
<b>Greenstone</b>	<b>92.9</b>	<b>5.0 **</b>	<b>Dark</b>	<b>Dark</b>
<b>Duo-tone Textured</b>				
<b>Eclipse</b>	<b>96.7</b>	<b>3.5 **</b>	<b>Dark</b>	<b>Dark</b>
<b>Pepper</b>	<b>90.4</b>	<b>7.9 **</b>	<b>Dark</b>	<b>Dark</b>

Instrument: Device and Services, Solar Spectrum Reflectometer, Model SSR-E

ASTM Reference: C1549 and E903-96

\*Shepherd Test Method Reference: SCTM 340

\*\* ASTM Reference C609-7. Instrument: Macbeth Color-Eye 7000A

### NCC, BASIX NSW Colour Classifications

Solar Absorptance	Colour Classification (Volume Two NCC 2019)
≤ 0.40	Light
0.40 < SA ≤ 0.60	Medium
> 0.60	Dark
Solar Absorptance	Typical Colour (NSW BASIX)
< 0.475	Light
0.475 - 0.7	Medium
> 0.7	Dark