



## LRV Tests for Caesarstone models

### Definitions:

- **LRV** – Light Reflective Value. How much light (In %) the sample will reflect from the Light Spectrum, (400nm-700nm).
- **Spectral Curve**
  - The X Axis will show the Light Spectrum. (400nm-700nm)
  - The Y Axis will show the LRV (%)
- **Spectrophotometer**  
A Lab Instrument which gives the sample's shade in different Colour Scale. The values represented in this report is Hunter LAB.

### Basic Assumptions:

- The kind of polish (Polished, Natural, Rough and Concrete) does not influence the LRV.

### The test process was as follow:

1. Spectrophotometer measurements, several samples for every model were used for the calculation. For older models average of 3-10 samples, 6 readings for each sample were used. For newly released models 6 readings of 1-2 samples were used. Values received on CIE LAB scale.
2. For Bi-Colour and Tri-Colour Samples readings were made at random positions and averaged.
3. The LRV for each model was calculated from the Average CIE LAB Values, on this internet site:  
<http://colormine.org/convert/lab-to-xyy>  
Convert Lab to Yxy (the Y value will show the LRV (%).

The results are as follows:

Colour Code	Colour Name	L Average	A Average	B Average	LRV
2141	Snow	92.3	-0.27	2.8	81.38
4001	Fresh Concrete	85.6	-0.22	3.8	67.19
4004	Raw Concrete	66.8	0.6	4.35	36.37
4011	Cloudburst Concrete	83.3	-0.25	2.53	62.80
4030	Oyster	60	0.4	3.3	28.12
4044	Airy Concrete	75.08	-0.16	-0.26	48.41
4600	Organic White	91	-0.3	3.4	78.48
5110	Alpine Mist	80.1	0.15	3.6	56.86
5130	Cosmopolitan White	78.1	-0.35	3	53.38
5131	Calacatta Nuvo	87.7	0.4	3.6	71.44
5141	Frosty Carrina	89.2	-0.15	3.9	74.59
5143	White Attica	85.8	0.2	2.4	67.59
5151	Empira White	94.7	-0.5	0.38	86.91
6011	Intense White	93.7	-0.48	-0.7	84.60
6131	Bianco Drift	77.5	0.3	4.35	52.37
6134	Georgian Bluffs	72.28	-0.25	3.31	44.08
6141	Ocean Foam	89.5	-0.1	3.2	75.23
6313	Turbine Grey	53.29	0.36	2.85	21.31

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