



www.translucentcreations.com | 0203 292 0616 | sales@translucentcreations.com

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## Amberlite

Amberlite is manufactured using several high performance modified resins, including, acrylic, cross linked acrylic and PETG.

**SIZE:** Standard panel size 2440mm x 1220mm (8ft x 4ft / 96.06" x 48.03") with others available upon request.

**SHEET THICKNESS:** Amberlite is available in several standard thickness levels:

- 6mm (11kg per sqm) = 1/4" (2.23 lbs per sq foot)
  - 8mm (14kg per sqm) = 5/16" (2.79 lbs per sq foot)
  - 10mm (18kg per sqm) = 3/8" (3.62 lbs per sq foot)
  - 12mm (22kg per sqm) = 1/2" (4.46 lbs per sq foot)
- with a standard tolerance level of +/- 10% of nominal.



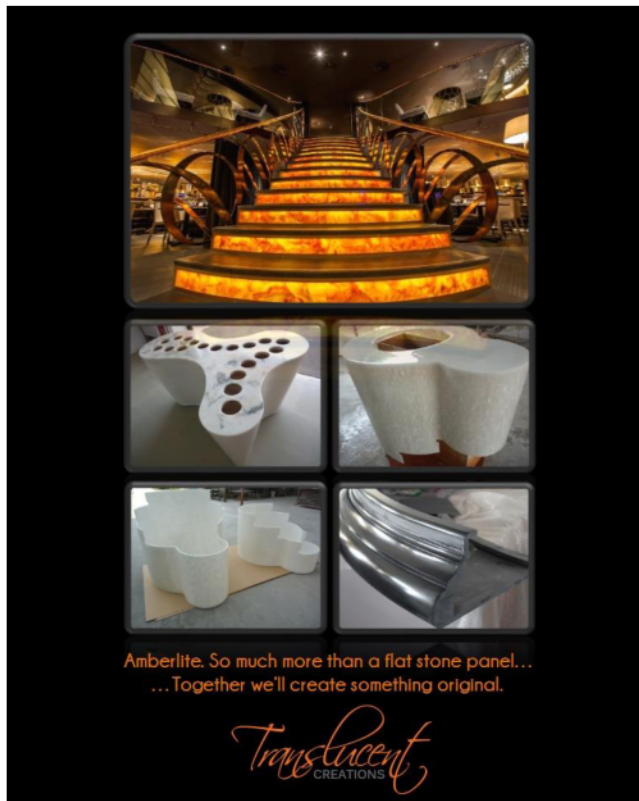
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### FINISHES:

There are two standard surface finishes

- ✓ Reflective
- ✓ Non-reflective

There is also a UV applied anti-scratch coating also available in both reflective and non-reflective finish.

Please view the chemical properties and test data for Amberlite below.

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Test Item	Test Method	Test Result
Specific Gravity	JC908:2002	1.7 - 1.9 g/cm
Water Absorption	JC908:2002	0.03%
Barcol Hardness	GB3854	>50
Tensile Strength	GB/T 2568	23.65mpa
Bending Strength	GB/2570	44.07mpa
Elongation Ratio	GB/T 2568	0.35%
Glassiness	GB/2571	4 KJ/m2

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Test Item	Test Method	Test Result
Abrasive Resistance & Cleanness	ANSI-Z124	First reflection causes 2%, re-grinding leads to
Impact Strength	ANSI-124	No crevice
Color Fastness	ANSI-124	No change after 200 hour ultraviolet radiation
Temperature Resistance	ANSI-124.6	No change under 180° c for 20 minutes
Pollution Resistance	ANSI-124.6	Index 30
Chemical Resistance	ANSI-124.6	Pass
Load Test	ANSI-124.6	No crevice 0.2mm deviation after unloading
Surface Spread Of Flame	BS 476 part 7	Class 1
Flame Retardance & Oxygen Index	ASTM-D-2863	Pass

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