

ASTERITE® LAR - Solid Surface

Technical Data Sheet

This technical data sheet covers all Series 100 & 500 grades

- For the manufacture of solid surface sheet or shapes e.g. wash basins
- Ambient temperature cure
- Can be used on batch or continuous in-line mixing equipment

Series 100 & 500 Properties

Property	Value
Brookfield Viscosity (spindle 4, 23°C)	100 - 700 centipoise
Appearance	Free flowing, slightly turbid colourless liquid
Monomer	Methyl methacrylate
Typical Time to Peak Exotherm	15-45 minutes*
Typical Peak Exotherm Max	70-90°C
Shelf Life	9 months when stored in sealed containers, protected from light at ambient room temperature**

* When mixed with mineral fillers e.g. aluminium trihydrate (ATH)

** Exposure to sunlight and elevated temperatures can significantly decrease shelf life.

Series 100 & 500 Supply

- 1m³ IBC's: Minimum order quantity is 3 IBC's at 2.7 tonnes

Series 100 & 500 Application

- Can be mixed with mineral fillers, pigments, coloured granules and other key formulation components for solid surface
- Typical mineral filler loadings:
- Plain colours: 60-70 w/w% ATH
- Granite colours: 40-50 w/w% ATH & 10-20 w/w% coloured granules
- Compatible with established ambient temperature cure initiators

Series 100 & 500 Typical Cured Article Properties***

Property	Test Method	Unit	Value
Barcol Hardness	BS EN 59		60
Flexural Strength	BS EN ISO 178	MPa	60
Flexural Modulus	BS EN ISO 178	MPa	8000
Shrinkage	BS EN 438 Pt 2		0.04%
Thermal Shock	EN14688 & EN13310		1000 cycles. Pass

*** Properties are dependent on the exact formulation used.

The information contained in this document does not constitute a specification.

ASTERITE® Liquid Acrylic Resin

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