EGR DECOR

StyleLite®

TruGloss Technical Data Sheet

Superior Gloss & Matte Indoor Panels
Australia & New Zealand

August 2019

Stylelite – TruGloss

Product Description

Stylelite High GLoss acrylic sheet and laminated panels are a vivid high gloss solution for premium furniture and joinery applications. Stylelite is available in a range of coextruded solid colours and is offered as sheet for lamination or as a complete laminated panel.

General Properties

Sheet Specification

PROPERTIES	SPECIFICATIONS	TEST METHOD
Sheet Thickness	1.0mm ± 0.1mm	
Colour**	dE < 1.0 for Solid Colours dE < 1.5 for Metallic Colours	AS/NZS 1580.600
Gloss**	>85% for Gloss Colours	AS/NZS 1580.602
Specific gravity	1.09	ASTM D-792
Water absorption	<0.5%	ASTM D-570
Tensile strength	70 MPa	ASTM D-638
Elongation at Yield	4%	ASTM D-638
Tensile modulus	3,000 MPa	ASTM D-638
Flexural strength	100 MPa	ASTM D-790
Flexural modulus	3,000 MPa	ASTM D-790
Izod impact strength, Milled Notch	15J/m	ASTM D-256
Pencil Hardness**	4H	ASTM D-3363
Erichsen Hardness**	0.5N	ISO 4586-2 (DIN EN 438-2)
HDT 264 PSI, 1.82MPa	89°C (192°F)	ASTM D-648
CTE, -30°C to 30°C	0.7mm/1000mm/10 °C	ASTM D-696
Vicat softening point	104°C (219°F)	
Continuous service temperature	77°C (170°F)	
Degradation temperature	> 275°C (>530°F)	

Board Specification

PROPERTIES	SPECIFICATIONS	TEST METHOD
Board Thickness	18mm nominal	
Board Weight	13.5 kg/m2 Typical	
Environmental	E0 MR or TITLE VI	

*** Internally tested by EGR*

Applications

Stylelite sheet and panel have many applications such as cabinet faces, store fixtures, feature panels and furniture surfaces. The panels are designed for any interior vertical surface and the panels can be edge finished in a variety of ways to suit the needs of the end application. Stylelite sheet can be laminated to many different wood substrates using a variety of bonding methods. The laminated panels are bonded with high performance PUR adhesive and can be supplied double sided or with a textured ABS balancing layer.

Chemical Resistance

Stylelite is an inert and very stable polymer and is resistant to the following substances: Kerosene, Mineral Turpentine, lemon juice, Vinegar, Coffee, Soaps and most mild household cleaners. Stylelite should not be exposed to the following substances: Acetone, Methylated Spirits, Glass Cleaners, Abrasive Cleaners, and aggressive solvents such as MEK or Toluene.

Edge Finishing

A near seamless appearance can be achieved using edge bands applied with a thin layer of transparent EVA or PUR adhesive. Edge bands options include 1.0 mm matching solid colours and patterns.

Lamination

Stylelite sheet can be laminated to a variety of substrates. Best results will be achieved using PUR adhesive applied through an automated lamination process. Other adhesives such as liquid PUR cross linked EVA or water based contact adhesives can also be used for less technical applications. Typical substrates for laminated panels include MDF, HDF and Plywood.

Care and Maintenance

For general cleaning use warm soapy water and a clean microfiber cloth. Liquid dishwashing detergent is an ideal cleaner. For scratches and scuffs the face of the gloss panels can be refinished using liquid polishes suitable for acrylic and a clean microfiber cloth. Manual or machine buffing are both effective. Care must be taken with machine buffing to not overheat the material so a slow buffing speed is desirable.

Fabrication

Laminated panels can be cut, drilled and shaped using normal woodworking tools and machinery. Best results will be achieved using sharp carbide tipped tools that are designed to remove swarf quickly. Panels should always be clamped or secured firmly during fabrication to avoid vibration and potential for chipping. The face protective film should be left in place throughout the fabrication and installation process. Panels should be fixed at a maximum of 300 mm (12'') centers for all drawer fronts end panels and other cladding. Cabinet Doors should have hinges placed at no greater than 400 mm (16 '') centers.

Warranty

- Stylelite sheet and panels are covered by a 10 year indoor warranty for use in vertical applications only.

Fire Properties

Joinery, fittings and furniture are generally exempt from fire performance criteria with most international building standards. Material has been tested under and passed following fire standards: using EO MR MDF substrate.

- For Australia, AS/NZS 1530.3 and AS 3837 and achieving a group 4.
- For USA, ASTM E84, Flame spread 155 and smoke developed 400.

Building specifiers should always consult with qualified building professionals to ensure that the material is suitable and compliant for the chosen application as per local building code requirements.

Differences in thickness, substrate, colour form, fixings or adhesive may affect the rating.

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