

# EGR Decor

## StyleLite MPP (Multipurpose Panels)

### Technical Data Sheet

Version  
10/24/22

#### Summary

StyleLite MPP features weatherproof, composite substrates laminated with high-quality, impact resistant smooth and textured (MPP Carcass) polymer sheets formulated for use as components and in carcass applications in interior/exterior covered area applications and subjected to no direct sunlight.

The panels exhibit a very low water absorption rate and excellent thermal/dimensional stabilities. The product's moderate weight and ease of fabrication allow StyleLite MPP to be the ultimate choice in durable panels for the harshest environments with respect to temperature and moisture. StyleLite MPP feature an aesthetically pleasing smooth or textured finish for cabinet exterior components or interiors (MPP Carcass)

#### Applications

Designed for exterior and interior applications, StyleLite MPP is the superior panel for outdoor kitchens, furniture, wall panels, and most applications in flood-prone or high moisture environments.

#### Properties

Property	Test method	Result
Density	Calibrated scale	650 ± 20 kg/m <sup>3</sup>
Thickness	ISO 13894-1	17.6 ± 0.2 mm
Appearance <i>1.5 m inspection distance under 5000K light</i>	ISO 13894-1	No visual defects <i>Such as ripples, bumps, indentations, cracks, or adhesive smears</i>
Flatness	ISO 13894-1	≤ 2 mm/m
Screw-holding	ISO 13894-1	580N
Resistance to elevated temperature (short-term) <i>at 70 °C</i>	ISO 13894-1	No visible change <i>such as distortion, blistering, cracking, glue-line failure or marked change in appearance</i>
Resistance to elevated temperature (long-term) <i>at 90 °C</i>	ISO 13894-1	No visible change <i>such as distortion, blistering, cracking, glue-line failure or marked change in appearance</i>
Edge-swell <i>20°C for 24 hrs</i>	ISO 13894-1	0.0%
Glue-line quality	ISO 13894-1	Rating 5 <i>Extremely difficult to completely remove laminate from substrate</i>
Resistance to steam	ISO4586-2	Rating 3 <i>Moderate change of gloss</i>
Resistance to boiling water	ISO 4586-2	Rating 3 <i>Moderate swelling</i>
Resistance to climate shock <i>-20 to 80 °C for 5 cycles</i>	EN 438-2	Rating 5 <i>No visible change</i>
Resistance to wet conditions (exterior grade laminates), <i>unedged</i> <i>At 65 °C for 48 hr</i>	EN 438-2	Rating 5 <i>No visible change</i>

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## Surface performance

Property	Test method	Result
Hardness	EN 438-2	≥ 0.2 N
Resistance to impact	ASTM D4226	> 100 J
Color consistency	AS/NZS 1580.600	dE<1.5
Tensile strength	ASTM D-638	70 MPa
Tensile modulus	ASTM D-638	3000MPa
Degradation temperature	-	>275 °C
Resistance to wet heat (100 °C)	EN 438-2	Rating 3 (min.)
Light fastness (Xenon-arc light)	EN 438-2	Rating 4 to 5 (min.)

## Fire properties

Property	Test method	Result
<b>Cone Calorimeter</b>		
Group number <i>Composite substrate</i>	AS/NZS 3837	3
Average Specific extinction area	AS/NZS 3837	604.7 m <sup>2</sup> /kg
Average Heat Release Rate	AS/NZS 3837	46.0 kW/m <sup>2</sup>
<b>Fire hazard indices</b>		
Ignitability index	AS/NZS 1530.3	14, 15
Spread of flame index	AS/NZS 1530.3	9, 8
Heat Evolved index	AS/NZS 1530.3	10, 10
Smoke Developed index	AS/NZS 1530.3	9.9

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#### Care and Maintenance

For cleaning only use warm soapy water and a clean microfiber cloth or Matt Maxx by VuPlex.

For more persistent stains, a solution of vinegar (50%) ethanol (50%), a mild household degreaser (solvent-free) or TSP can be used.

For more difficult to remove stains or light to moderate scuff marks on **StyleLite MPP Carcass only**, apply EGR / Novus Number 2 (red bottle) and lightly rub across the area with a clean, soft microfiber cloth. Remove all residue using EGR Number 1 (blue bottle) or Matt Maxx and a clean, soft microfiber cloth. **Never use EGR / Novus Number 2 (red bottle) on StyleLite MPP with TruMatte finish.**

Never use abrasive products or cleaners (scouring pads, steel wool, black soap...etc.), bleaching agents, wax furniture polishes, alcohol-based cleaners, strongly acidic/alkaline cleaners, and any other cleaner that is not recommended in this document.

#### Fabrication

StyleLite MPP 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.

For CNC router cutting and drilling, a 3-flute compression cutter of 3/8" or larger diameter is recommended. Switch to 'O' Flute bits if excessive swarf or vibration occurs with standard wood router bits. The feed rate should be maximised at a recommended 25 metres/minute, along with a spindle cutting speed of 18,000 rpm or higher. ***Clearing the swarf is essential.***

For edge-taping, Polyurethane Reactive (PUR) Hot Melt Glues or reactive layer adhesion are recommended to achieve a good bond and moisture/thermal stability between the edge tape and panel.

#### Edge Banding

Where edges of StyleLite MPP components are exposed in application, they must be finished with a suitable edge band. StyleLite edge bands are recommended as they are also waterproof, durable and highly resilient to chipping.

Best practice application of StyleLite edge band is via automatic edgebander using PUR adhesive or heat activated edge bands applied with an applicable heat source such as hot air, laser or near infrared (NIR). These methods of edge band application produce an attractive finish and a highly durable bond which is both waterproof and highly resistant to the heat.

Other common methods of applying edge such as with EVAs or contact adhesives can be used but are not recommended as they typically result in poor appearance at the junction of the edge and panel and can eventually peel away especially if the MPP components are subjected to constant moisture and fluctuations in temperature.

#### Storage

Laminated panels are to be stored horizontally in a temperature range between 50 and 90°F, with a humidity of less than 60%. The use of a cover board over the top panel must be used for protection. Panels should be stored horizontally on 4 equally spaced runners or stickers of equal height, size and material. Never transport or store StyleLite MPP uncovered or in direct sunlight.

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## Warranty

EGR StyleLite panels are covered by a 2-year indoor/interior covered warranty for use in vertical applications only. ***StyleLite MPP must never be installed or used under any direct sunlight or the warranty will be voided.***

### Item

StyleLite panels are intended for vertical applications only

Exposure to excessive direct or radiant heat is to be avoided

General fading, ageing or discoloration is not covered by the warranty

Some deviation in color or minor ripples are not covered by the warranty

StyleLite panels are intended for indoor and undercover outdoor applications and not in direct sunlight

Contact with hot gases, steam, or hot objects is to be avoided and any resulting damage is not covered by the warranty

Large panel dimensions (>1200mm or 4') are not allowed

Warping, twisting or bowing due to large door dimensions or inappropriate door hinges are not covered by the warranty

Prolonged exposure to moisture and especially ponding in water or similar should be avoided

Exposed panel / component edges must be sealed when in application (e.g. edge banded)

Only follow the recommended care and maintenance guidelines