

NEW

SHADELIGHT® POLYRESIN SHUTTERS

features and benefits

- suits internal and external application
- bi-fold, hinged and sliding application
- 500mm and 800mm louvre width available
- polyresin is inherently fire retardant
- environmentally beneficial material
- 3 colours available
- fire retardant
- low VOCs



Colour Range

Available in three modern colours, Vanilla, Pearl and White, which suit most internal and external colour schemes.

Made from Polyresin

A colourfast compound with UV stabilisers designed with strength and durability, yet retaining a special warmth and feel. These shutters may resist warping, shrinking, peeling and fading, and are ideal for both internal and external applications.

Water Resistant

Ideally suited for use in wet areas. SHADELIGHT® Polyresin Shutters have no unsightly staples and may not warp, crack or swell due to water exposure.

Permanent Finish

Our Polyresin compound features a permanent finish resistant to dents and scratches. Should a scratch occur, it can be removed without harming the finish.

Patented Tilt Bar Connecting Method

Louvres can be opened or fully closed in both directions, unlike other shutters which are one directional only. This method has eliminated unsightly gears or staples which tend to rust or break.

Patented Cleaview Tilt Bar

Hidden louvre joiners provide an unobstructed view, giving our classic shutters a clean and contemporary look.

Fire Retardant

The Polyresin used in SHADELIGHT® Polyresin Shutters is inherently flame resistant, will not burn on its own, and has a very low flame spread rating.

Modern Manufacturing

Custom crafted in state of the art computerised production facilities that meet today's demanding quality standards.

To see how Hunter Douglas Commercial Window Coverings can transform your next project call **1300 733 078**.

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environmentalbenefits

SHADELIGHT® Polyresin Shutters are made in Australia and manufactured with a unique compound called Polyresin. Polyresin has many features that combine to minimise the total cost and life-cycle impact upon the environment as compared to alternative materials.

Durability

SHADELIGHT® Polyresin Shutters are virtually maintenance free. They are not painted, so they'll never need re-painting. They may not rot, corrode, chip, crack, warp or mildew. They are unaffected by water or wood-destroying organisms. They are UV-stabilised for many years of performance in even the sunniest climates.

Sustainability

The efficient design and durability of SHADELIGHT® Polyresin Shutters mean they will last many times longer than a traditional blind or shade. This is an important environmental benefit, because the longer a product lasts, the less energy and other resources are expended to, manufacture, ship and install replacement products, and then remove transport and dispose of those replacements. SHADELIGHT® Polyresin Shutters last many years, so when their cost is annualised, they actually cost less than "cheaper" alternatives.

Energy Efficient

SHADELIGHT® Polyresin Shutters are completely adjustable, allowing you to fully control the solar energy entering your windows and doors. Their macrocellular construction creates effective dead-air insulation, and coupled

with vinyl's low conductivity they greatly reduce heat exchange. SHADELIGHT® Polyresin Shutters reflect inbound solar rays back to the outside during summer, but can be opened to allow the warming sun in a building in winter. Thereby reducing air-conditioning costs.

Non-Toxic

The safety of vinyl has been overwhelmingly confirmed in more than 50 years of scientific study. It is therefore no surprise that vinyl is used extensively in schools, hospitals, day care centres, clinics, medical offices and nursing homes. Vinyl pipe brings portable water into millions of projects each day, and is widely used in food, beverage packaging and children's toys.

Indoor Air Quality

SHADELIGHT® Polyresin Shutters have no adverse impact on indoor air quality. SHADELIGHT® Polyresin Shutters create no dust and their non-porous surfaces provide no haven for harmful organisms. SHADELIGHT® Polyresin Shutters have been tested and do not exceed the maximum VOC (Volatile Organic Compound) criteria specified by the Green Building Council of Australia (IEQ-11).

Technical Information

Wind Loading Analysis

The results of the wind loading capacity of a PVC shutter are that the shutter stile is the critical component in both the 500 and 800 mm wide panels and ultimately determines the wind loading for the entire structure. The shutter blade, which is a more flexible structure, has a greater mid-span deflection but a lower stress level than the stile.

The maximum pressure rating is:

- 1.75 kP² for the 500 mm wide shutter
- 1.1 kPa for the 800 mm wide shutter panel

The highest stress occurs in the stile Aluminium insert at the top and bottom where the stile is anchored in a sliding track. The highest stress in the shutter blade occurs mid span and in the Aluminium section. Areas of contact stress between the PVC and Aluminium section may result in some local yielding of the PVC component. In both cases it is the Aluminium section that ultimately determines the yielding of the structure.

Fire Retardancy Information

Complies with the General Requirements of the Building Code of Australia for Fire Hazard properties of materials in buildings. Not suitable for use in parts of buildings with Special Requirements, i.e fire isolated exits; public corridors leading to a fire isolated stairway, passageway or ramp; a patient care area of health care buildings; and in a public assembly building (eg theatre or hall) not protected with a sprinkler system.

Ignitability Index [Range 0-20]	11
Spread of Flame Index [Range 0-10]	0
Heat Evolved Index [Range 0-10]	1
Smoke Developed Index [Range 0-10]	8



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