

Contemporary Security Solutions for Doors and Windows



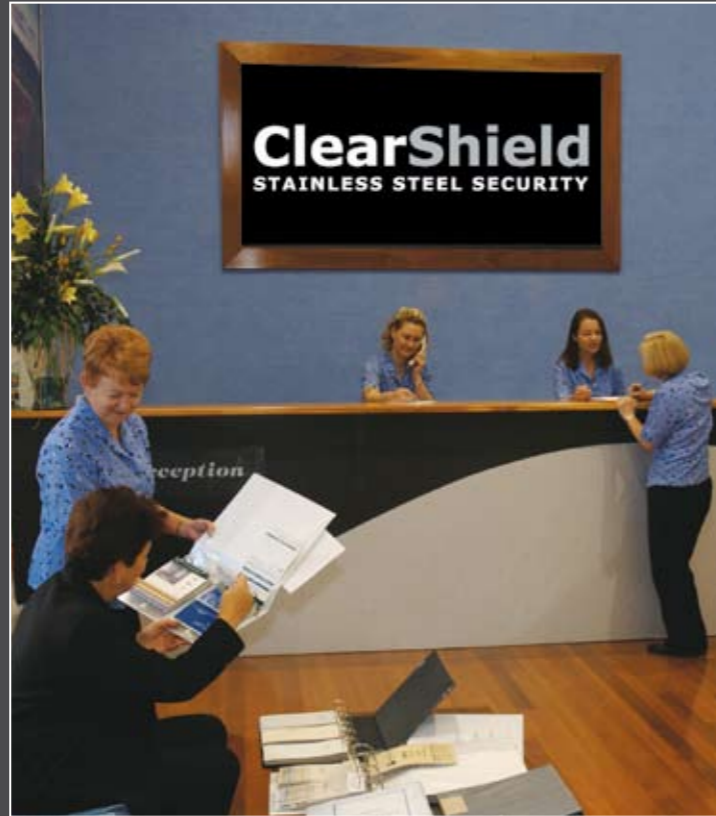
ClearShield
STAINLESS STEEL SECURITY

INTRODUCTION

Clearshield is undoubtedly your best choice when it comes to security doors and windows. Unlike woven screens that use overlapping strands of mesh, Clearshield is a single, stamped through sheet of stainless steel. Each hole in the sheet is perfectly round therefore providing optimum visibility. The strength of the frame and screen eliminate the need for unsightly bars and grilles.

Clearshield's smooth, flat sheet surface prevents build up of dust which means your window and door screens maintain their good looks. A unique method used to treat the stainless steel perforated sheet also means your Clearshield security screens resist corrosion or deterioration.

With a choice of frames in any of the Dulux powder coat colours or the exclusive DecoWood style, you will easily find a Clearshield security solution to suit your family home, commercial or government premises.



Contemporary Security Solutions for Doors and Windows



Clearshield Security Screens provide optimum visibility - great for maintaining your ocean view or hillside vista



Security for courtyards and family areas

UNRIVALLED STRENGTH AND CHARM

Clearshield is an aesthetically pleasing alternative to traditional screens and doors. It has no unsightly grilles or heavy patterns to detract from the appearance of your home or commercial premises. Clearshield's innovative screen is impact resistant, incision resistant and easy care. The one piece stainless steel perforated sheet withstands enormous impact because it doesn't rely upon a woven or welded method of construction.

Clearshield Cyclone Screens have been missile tested to Australian and New Zealand design standards. Independent knife shear tests proved that sharp instruments simply could not penetrate the superior strength of this product. Fire attenuation tests on Clearshield Fire screens are also testament to the versatility and effectiveness of Clearshield Stainless Steel Security Screens and doors as the ideal choice for business, government facilities and residences.

Where the exterior appearance of a property is an important consideration, Clearshield's smooth clean lines provide an attractive understated security solution.

Clearshield - safe, strong and at home with any style of architecture





ENERGY EFFICIENCY – 3.5 STAR RATING

ClearShield screens reduce heat and glare on hot summer days. The perforations allow refreshing sea breezes through, provide superior vision out and unequalled security. ClearShield has been tested by the Window Energy Rating Scheme (W.E.R.S.) and achieved a 3.5 star rating as an energy efficient product. This equates to a reduction of up to 44% in solar heat, solar radiation and energy consumption when fitted to a window with standard 3mm glass. ClearShield is the ideal choice for energy efficient homes and for the environmentally conscious.



The one piece sheet virtually disappears whilst letting the cool breeze in

SECURITY

Whilst remaining discreet, Clearshield provides unrivalled strength and durability. Stronger than 316 marine grade stainless steel, Clearshield meets the most rigorous of Australian Standards. Clearshield will not only protect your property against theft, but will also reduce the spread of fire and shield against flying embers.

The strength of the steel sheet prevents the screen from damage either by sharp objects or pets. It reduces the risk of arson attack, internal property damage and, also guards against the breakage of windows.

Due to Clearshield's unique corrosion resistant finish, the screens resist deterioration. With Clearshield your property remains safe and secure for much longer.

Clearshield - for absolute peace of mind.



Exclusive DecoWood frame and brass hardware



Security which compliments your home

DOORS

Clearshield Doors are installed with no mid rail or unsightly bars. This means clear vision and uninterrupted views. Choose from either hinged or sliding door styles.

The door frames are available in any of the Dulux powder coat colours. Alternatively, you can choose from the DecoWood range of frames which provide a natural timber look. Both are suitable for domestic and commercial applications.



WINDOWS

Improve the energy efficiency of your home or business by installing Clearshield screens on your windows. You will reduce power consumption by providing protection against solar heat and glare, and also reduce long term fading of furniture and fittings.

Feel secure leaving windows open at night in summer. Unwanted intruders including mosquitoes remain outside.

Clearshield window screens have been tested and meet all appropriate Australian Standards. Testing involved simulated forced entry via crowbar, bricks and physical force. Strict manufacturing guidelines ensure that Clearshield screens retain their strength and appearance for many years.





Create an outdoor living space - full of natural light but still insulated against the heat and glare of the summer sun

SPECIALTY APPLICATIONS

Pet Doors

The ideal solution for your pet to move easily between outside and inside, Clearshield's pet door is custom made to suit your requirements. Built into the door frame, it maintains optimum strength yet continues to provide insect protection, is easy to clean and scratch resistant.



Glass Free Pool Enclosure

Surround your pool with Clearshield security screens for maximum ventilation, insulation and natural light. Coupled with this is excellent vision out and peace of mind knowing that your pool area is secure.



Angled Screens

Clearshield screens can be custom made to suit angle top / bottom windows.

Mosquito and Insects

Clearshield's unique stainless steel perforated sheet, with holes less than 1.8mm round have been extensively tested both here in Australia and overseas. Testing proved the Clearshield screen to be an effective barrier against insects. Furthermore, Japanese Government Terrarium testing found that Clearshield prevented Asian Tiger Mosquitos from entering the protected spaces.





Corrosion resistant, easy to clean and discreet in appearance



Security screens and doors for commercial /Government buildings



COMMERCIAL / GOVERNMENT

Whether you're an architect, designer or building owner, Clearshield have security solutions to suit. Clearshield security screens and doors are designed and custom made to the highest standards, they are the perfect choice for commercial and Government applications. Clearshield's energy efficiency, glare control and transparency improve office environments by making perimeter zones cooler without sacrificing the view. Their superior security helps to prevent vandalism, window breakage and forced entry.

FEATURES AND BENEFITS

Superior Powder Coating Adhesion

- Clearshield ensures the powder coating process completely covers the stainless steel sheet.
- The use of a single, stamped through sheet of stainless steel in Clearshield overcomes problems experienced with woven mesh products.
- Clearshield stainless steel sheets are also pre-treated with a unique corrosion resistant process prior to powder coating.

Cleaning Advantages

- Cleaning Clearshield screens is considerably easier than any other product. The inherent flat sheet surface, prevents the settling or build up of debris. The design of conventional intricate weave mesh products provides accumulation points, which require intense, rigorous cleaning.

Galvanic Corrosion Prevention

- Clearshield screens resist galvanic corrosion by totally encapsulating the stainless steel sheet with a PVC membrane prior to assembly into the extruded aluminium frame.
- Galvanic corrosion is common with woven mesh type products that don't use PVC insulating membranes.
- Sponge tape type insulating membranes have proven to accelerate galvanic corrosion because they tend to retain moisture and therefore deteriorate rapidly.

Energy Efficiency Rating

- With the focus on developing energy efficient homes / buildings, architects, builders and consumers are realising the importance of using energy efficient and environmentally friendly building materials. Clearshield has been tested by the Window Energy Rating Scheme (W.E.R.S.) and achieved a 3.5 star rating as an energy efficient product.

Frame Detail

- Clearshield's extruded aluminium frames come in a range of Dulux powder coated finishes and the option of DecoWood. DecoWood is a decorative timber look ideally suited where natural timber finishes are part of a buildings design.

Stainless Steel - One Piece Screen

- Clearshield is an aesthetically pleasing alternative to old fashion grilles. There are no unsightly bars or bulky grilles to obstruct the view or compromise the appearance. Each window and door screen is made from one piece of perforated stainless steel. Each screen is finished in a strong and durable black powder coated finish. This non-porous finish has a contemporary look, is easy to clean and provides amazing, uninterrupted vision.

SPECIFICATIONS AND STANDARDS

Stainless Steel Perforated Sheet Specification

Specifications:

- | | |
|-------------------|---------------------------|
| • Grade | T-304 2b finish |
| • Sheet Thickness | 0.80mm |
| • Aperture | less than 1.80mm Round |
| • Hole Spacing | 3.0mm between Centres |
| • Pre Treatment | F2C Protection |
| • Finish | Satin Black Powder Coated |

Australian Standards

Clearshield is Tested & Passed to the following Standards

- | | |
|--------------------|--------------------------|
| • AS 5039-2003 | Product Standard |
| • AS 5041-2003 | Method of Test |
| • AS 5041-2003 | Knife Shear Test |
| • AS 5041-2003 | Impact Test |
| • AS 1170.2-1989 | Cyclone Missile Test |
| • AS 1530.4-2005 | Burn Test |
| • 3.5 Star W.E.R.S | Energy Efficiency Rating |



SPECIFICATIONS AND STANDARDS

Standard inclusions in a Clearshield Security Door

Sliding Doors

- Heavy Duty Frame
- Interlock
- PVC insulator for Stainless Steel Sheet
- C4 Barrel
- Max Size with No support Bar 1310mm x 2510mm in Door Frame

Hinged Doors

- Heavy Duty Frame
- Deformable Striker Plate
- PVC insulator for Stainless Steel Sheet
- C4 Barrel
- 3 Hinges anti-theft pronged
- Max Size with No support Bar 1310mm x 2510mm
- 4.8 mm H/D High Strength Rivets

Emergency Exit/Cyclone Screens

Fitted over the window opening or covering the window fully.
Available as top or side hinged. Optional buildout frame for Commercial or cyclonic applications. Easy Exit Keyless release mechanism.



Emergency Exit Screen



Custom measured, made and installed by qualified Clearshield staff

ClearShield
STAINLESS STEEL SECURITY

Contemporary Security Solutions for Doors and Windows

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