

CLEARSHIELD FAQ'S

Q. So, how strong is Clearshield?

A. Clearshield's patented design is possibly Australia's STRONGEST domestic security door. To prove how tough Clearshield really is, we entrusted three separate, independent NATA approved testing facilities that specialize in testing Security doors and screens, plus Cyclonic debris screens, to conduct extensive testing on Clearshield and the results were impressive, to say the least.

Q. How is Clearshield's perforated STAINLESS STEEL sheet different to woven mesh screens?

A. Clearshield is made from a single sheet of smooth powder-coated **Stainless Steel** with tiny round holes punched through it to create a smooth to touch and amazingly clear but VERY strong sheet of protection . Woven screens are made from woven strands of mesh, which are thin strands of metal. Woven mesh can be very hard to clean and has a rough to touch feel much like a cheese grater. Clearshield is proven to have a high level of resistance to knife attack as proven by independent experts when tested to AS4483.

Q. I have heard about 'insulating' in my door! What does this mean? is Clearshield insulated?

A. Yes, Clearshield's patented assembly systems are all insulated.

Most clear vision doors in Australia have a stainless steel mesh/screen material and an aluminium surround frame. The mesh is held in the frame using various methods depending on the brand. Insulating requires a membrane or barrier between the Stainless steel mesh/screen and the aluminium frame. When dissimilar metals come into direct contact and there is no insulating barrier between the parts that come in contact, galvanic corrosion can occur. 'This type of corrosion can create both structural and aesthetic damage to the product.

Q. What equivalent grade and finish is Clearshield 304 or 316?

A. Clearshield is manufactured from 304 grade 2b Finish Stainless Steel. We choose to use 304 due to it's superior level of strength. One of the most important features for corrosion resistance is the surface finish. Clearshield uses a high grade 2b finish of stainless steel coupled with our unique pretreatment and powdercoated finish that is highly resistant to corrosion.

Q. How good is the paint coating on Clearshield?

A. Very good. Clearshield undergoes a stringent degreasing , pre-cleaning and special anti-corrosive pre-treatment process that totally treats the surface of the Clearshield

screen with a chromium coating prior to the baking of the black finish of powdercoating. Unlike woven mesh that has crevices and overlaps in the weave, Clearshield's complete surface area of screen is pretreated and coated during the process. The coating warranty is backed by either Dulux or Joton Coatings Australia.

Q. I have heard about Single or Triple Lock doors, which one is better?

A. Triple locks will always be a better choice as three locks is better than one. However, with some installation applications triple locking systems cannot be installed. Your experienced Clearshield distributor will be able to advise the best option at the time of consultation. Clearshield has tested both single and triple lock configurations in both hinged and sliding doors and have passed all to the Australian Standards.

At Clearshield we to have tested our MAIN competitors products.

Amplimesh, Clearshield and other reputable brands all have commercial grade screens that can be installed to your home 'if required' that will withstand impact loads of 800j. Realistically though, 800j joules is way past the capabilities of an intruder !

Clearshield's 'Domestic grade' Ultra Strength design has been tested to the AS std and withstood over 9 cycles of the AS std without breaking, that's over 45 impacts of 100j 'as required in the AS standard'.

An enhanced version of our domestic grade product withstood 15 impacts of 500j before the test had to be stopped as the test rig couldn't handle anymore punishment.

Funny though how the focus on comparatives to security screens by certain individuals is on impact loads! A main part of the Australian standard that is a requirement to gain a PASS for products is the 'Knife Shear Test'. This test involves the slashing of the mesh with a Stanley trimming knife. The screen must withstand 3 passes of the knife along the same line. Clearshield withstood over 30 slashes and even then it only had a small 20mm tear in the screen. Ask our competitors how many theirs will withstand and you make the decision.

That's why they have included a knife shear test in the standard.

Funny how they don't spruce the results of that test. A knife can be easily concealed by an intruder and is a lot quieter means of entry than two guys with a lump of wood. Clearshield's screen withstood over 10 times the requirement. Ask our competitors how many theirs will withstand ?????