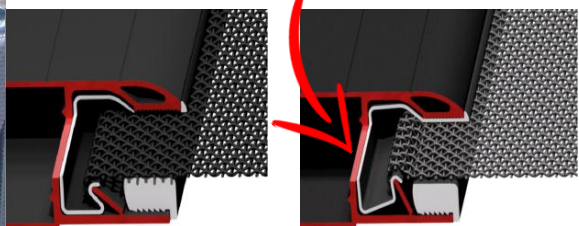




**Superior Strength without
the price tag!**

PANTHER PROTECT proves it

The more force applied, the more
secure the mesh becomes, causing
a jamming effect



SECURITY DOORS & WINDOWS

**Why choose PANTHER PROTECT?
LEADING THE WAY WITH INNOVATION.**

Whilst there are other brands and choices available, none have the unique features that make the Panther range one of the strongest products in the domestic market. The simplicity in the mechanics of how the mesh is held in place is the secret to making this product so strong and so successful. The ingenious "load locking leg" ensures the entire perimeter of the mesh is held tight. There is no need or use of unsightly screws, no rivets, no clamping, no mechanical fixing – The clever "load locking leg" is all that is needed to provide strength that actually gets stronger the more impacts it receives. Unlike other door and window systems that weaken with every impact, with **PANTHER PROTECT** doors and windows, the more forces that are applied, the more secure the mesh becomes inside the frame as the "load locking leg" grips, causing a jamming effect as the leg moves forward under impact.

As well as offering a more affordable and attractive security solution, **PANTHER PROTECT** doors and windows provide results. The patented design has proved that exceptional strength can be obtained without unnecessary obstruction to your view with unsightly bars and grills, or the need to use screws, rivets, clamping, crimping or mechanical fixing.



Safety Screening System

Visit our website: www.pantherprotect.net.au



SALT SPRAY TEST (AS2331.3.1)

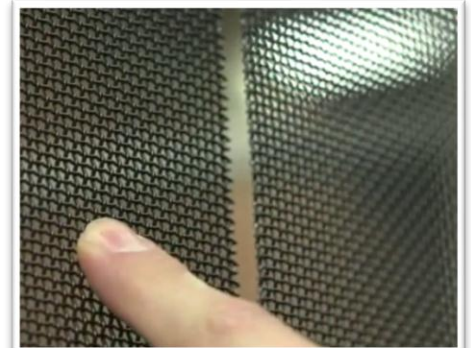
This is a corrosion testing method. Sometimes referred to as salt fog, a salt spray test is conducted in a closed chamber that can be adjusted to a variety of corrosive environments. The reason for this test is to ensure the surface integrity of the stainless steel mesh used in the door and window frame. The presence of sea salt on the surface of stainless steel is one of the major factors that cause "tea staining".

Areas of high humidity generate a film of moisture that dissolves the salt deposits and creates a corrosive solution on the surface. **PANTHER PROTECT** doors and windows use **PANTHER MAX 316** Marine Grade Stainless Steel mesh. Whilst the Australian Standard only requires 1000 hours of testing, **PANTHER MAX 316** withstood 3000 hours without any adverse reaction proving that it will stand the test of time in the harshest conditions. Whilst there are several grades of Stainless Steel woven mesh, the use of 316 Marine Grade will perform the best for corrosion resistance.



KNIFE SHEAR TEST (AS5041)

As the name suggests, this is a test method to determine the resistance of the security mesh used to a specified level of attack from a heavy duty knife. The tensile strength of **PANTHER MAX 316** passed with flying colours to not only meet but exceed the level for security standards.



The knife is positioned to strike the woven mesh a number of times under a constant force. Should the blade penetrate the wire and achieve a cut longer than 150mm, then it is a **FAIL**.

PANTHER MAX 316 was not penetrated by the blade at all, unlike some mesh that claim they pass this test when in fact it does not – Refer to competitors mesh above showing a clear failure of test

DYNAMIC IMPACT TEST (AS5039)

This test is designed to simulate an intruder trying to kick their way through a security door or window. This was introduced after it was found that grills or an infill fitted to security screen doors were subject to impact breakage through kicking of the panel. The Australian Standard test is performed with a 40kg sand and lead filled bag. This bag is pulled back via a pendulum style system and released to swing into the door panel with a hit of 100 joules. Once the panel withstood 5 consecutive impacts it was considered a PASS.

PANTHER PROTECT MK111 has been engineered so well that the testing laboratory continued the impacts until we achieved 100 hits. "This is 20 x the number of impacts required to pass the test" . We believe that the current level of impact does not accurately reflect the strength of a security door, so we tested at 200 joules and 300 joules – These impacts simulated extremely aggressive forces to the door and once again the **PANTHER PROTECT MK111** load locking leg engaged to be 300% stronger than the Australian Standards require for a pass. "Now that' s peace of mind" .



THE BENEFITS THAT ARE DERIVED FROM THIS DESIGN:

- Increased Strength around the entire perimeter of the frame.
- No unsightly fixing methods – No screws, rivets or welding.
- Provides exceptional value for money through cost savings of manufacturing time without compromising on the quality of materials.

No contact with dissimilar metals – If there is a break in the surface integrity such as a hole drilled through the aluminium frame to allow for fixing the mesh using screws or rivets, this can make the exposed areas susceptible to accelerated corrosion. Panther Protect needs no mechanised method to secure the mesh and has an isolator membrane that prevents any contact of dissimilar metals –



Your reward is the **PANTHER PROTECT** vision

We recognised the frustration for hard working home owners who want an affordable quality alternative for their home security. Unfortunately most of the choices available were cost prohibitive. By using clever design and the latest innovation, **PANTHER PROTECT** can now offer our customers both doors and windows that exceed both strength and aesthetic appeal of other high end stainless security systems at a much more affordable price.



“Don’t overpay for outdated and redundant engineering – Invest in **PANTHER PROTECT** security doors and windows for a long lasting investment and peace of mind”

EXTENSIVE TESTING – It’ s not what you say, IT’ S WHAT YOU CAN **PROVE** !

In an industry that is littered with questionable claims and confusion as to test results, ambiguity of product performance and what all the jargon means, many security door and window businesses promote claims they cannot prove or will not produce evidence to substantiate their claims. **PANTHER PROTECT** values the information we give to our customers and offer complete transparency on our test results and performance information.

All **PANTHER PROTECT** product testing has been carried out by an independent NATA accredited laboratory to ensure our products exceeded all relevant Australian Standards.



THE PANTHER RANGE: Hinged Doors – Sliding Doors – French Doors – Patio / Verandah Enclosures – Windows – Fire Exit Safe Escape.



BRISBANE

Fax: +61 7 5316 3501
sales.qlld@abra.net.au

MELBOURNE

Fax: +61 3 9305 1433
sales.vic@abra.net.au

Visit our website: www.pantherprotect.net.au