



WHY SAFETY2U SECURITY GLASS



<u>STRENGTH CHARACTERISTICS</u>	SECURITY GLASS	SAFETY LAMINATED GLASS	TEMPERED GLASS	FLOAT GLASS
Breaking Pattern With Manual Tools Attack	PASSED! Cracked but remain intact with manual tools attack	Cracked and penetrate with manual tools attack	Will shatter into small pieces and sharp	Break into big sharp pieces
Test Standard On Impact High Resistance	PASSED! EN 356 Standard P5A	Not applicable	Not applicable	Not applicable
Sound Insulation	PASSED! Good Sound Insulation about 40 STC under 1000 frequency (TS = 40dB)	Acceptable	Not applicable	Not applicable
Thickness 7.5mm Onwards 4.1kg Ball Drop 11 Times From 9 Meters Drop Height And 30 Blows With Hammer	PASSED! No penetration	Not applicable	Not applicable	Not applicable
Visible Light Transmission	PASSED! Up to 86%	Acceptable	Not applicable	Not applicable
Ultraviolet Ray Transmission	PASSED! Up to 50%	Acceptable	Not applicable	Not applicable



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Boiling Test JIS 3205	PASSED! Good	No Data	Not applicable	Not applicable
Radiation Proofing Test. JIS 3205	PASSED! Good	No Data	Not applicable	Not applicable
Constant Temperature High Moisture Test At 55 Degree C 95% For 12 Weeks	PASSED! Good	No Data	Not applicable	Not applicable
Sunshine Weather Test. UV Lighting And Warm Water Spreading For 5,000 Hours Or Equivalent To 17 Years	PASSED! Excellent	No Data	Not applicable	Not applicable
Heavy Duty Framing, Mild Steel With Aluminium Capping Powder Coated	PASSED! Excellent	Not applicable	Not applicable	Not applicable



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BENEFITS OF ANODIZING FOR ALUMINIUM FRAME

1. Anodizing is an electrochemical process that binds a layer of aluminium oxide to the surface of the metal in question
2. A thicker layer of anodic coating means a substantially longer lifespan, with the longevity being proportional to the thickness of the layer.
3. Aluminium oxide carries its benefits such as hardness, durability and resilience to inclement weather conditions protect the metal from corrosion and wear.
4. Since the protective layer is fused electrochemically, it's relatively easy to change the colour tone during application.
5. And since it's actually part of the metal itself, anodic coating won't chip, peel or flake like paint or other organic coatings.



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BENEFITS OF PAINTING/ POWDER COATING FOR METAL FRAME

1. Both painting and powder coating are organic coating processes, meaning they'll be more susceptible to wear and tear by natural means.
2. Both are typically made from the same base resin and will have similar physical and protective characteristic depend on the application. But powder coating is more environmentally friendly than traditional liquid painting.
3. This structure can be painted with anti-rust and finished with selected painted or powder coating colour.
4. As our framing system is steel (heavy duty), and if client requests an anodised finish, we will cap the steel structure with aluminium capping in anodised finish. Capping is just a 'pakai baju' process to the selected requirement for aesthetic purposes.
5. The heavy duty of the frame is the priority for security glazing



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FREQUENTLY ASKED QUESTION

1. What is the difference between SecuGlass and producer of raw glass materials such as MSG, NSG and KSG ?

MSG (Malaysia Sheet Glass)	NSG (Nippon Sheet Glass)	KSG (Kien Safety Glass)
An ex-producer of raw glass material	An international raw glass producer	A glass further processor
	Currently owned the MSG	Produce tempered, laminated and double-glazing Do buy raw glass from NSG

2. Can SecuGlass use the above materials ?

The raw material never makes our product (SecuGlass) different in performance. Similarly, a carpenter can buy plywood from different factory to produce their furniture.

3. Can the above produce same High Security Glass such SecuGlass ?

No, all of them do not involve in producing high security products like Crime Prevention Glass with certifications.



WHY SAFETY2U SECURITY GLASS FREQUENTLY ASKED QUESTION

4. What is the process of producing High Security Glass like SecuGlass?

CPG is a system, from importing material of glass, cutting, materials and process to put them together, installation and frame. (these are used for the test not only mirror)

5. Does warranty come with glass only ?

Warranty come with what been tested and certified which include glass, frame and installation. Therefore there is no warranty for glass only.

6. Which is better and bullet proof, Mild Steel Frame Powder Quoted or Aluminium Frame Anodised?

Definitely our Mild Steel Frame Powder, tested included in the certification other from specification more advantages compare to Aluminium Frame Anodised. (Source from Factory)