



WINDOW PROTECTION

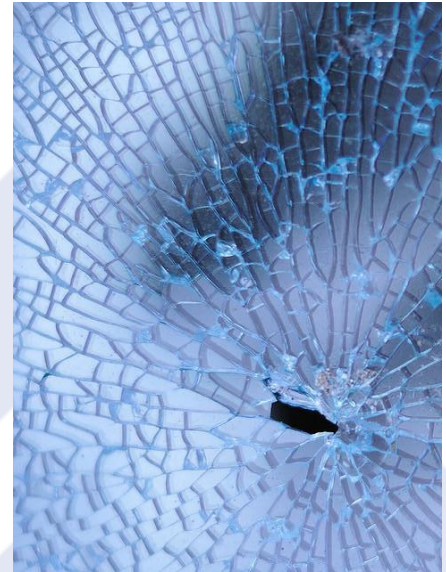
"Creating Protective Environments..."

Enclosure Protection

The protective window is a vital feature when it comes to the safety of your screen.

For indoor, outdoor, high-bright locations or Anti-Vandalism, Armagard's choice of protective windows has it covered.

- Polycarbonate, Anti-Reflective or clear
- Toughened, Anti-Reflective Glass
- Laminated, Anti-Reflective Glass



Choosing the right window for you

The main factors when choosing the right window for your application are clarity, suitability and safety. Depending on the location, these factors may vary in importance for the safety of your screen.

Whilst polycarbonate is the toughest (10 times stronger than glass), it is also the window that is most prone to scratching and gives you the least clarity. If your enclosure is in direct sunlight for example, ARG (toughened, Anti-Reflective Glass) is the one for you, as it possesses the most effective Anti-Reflective properties.

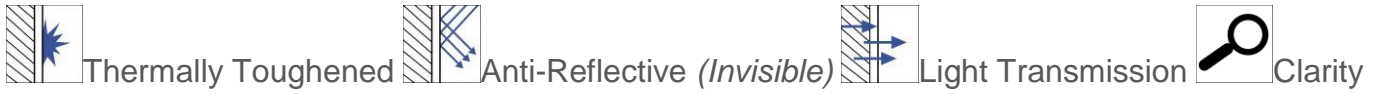
ARG also has a high scratch and chip resistance. If shattered, it will disperse into small pieces as shown in the image above.

If your enclosure is in an area where looks are important but you also run the risk of vandalism, our laminated, Anti-Reflective Glass is probably the most suitable option for you. It consists of two 3mm annealed panes of glass (not toughened) which are held together by a sticky foil.

Whilst it will crack quicker than the toughened glass, somebody will have a very hard time getting 'through' the glass.

For more detailed information, please see a quick overview of the different options below or alternatively contact your account manager.

Anti-Reflective Glass (ARG)



Although polycarbonate offers enhanced durability, Anti-Reflective Glass is still our recommended window choice, why? Because Armagard glass uses a superior method for anti-reflection, that produces premium clear results.

Chemically treated to scatter light directed upon the surface, images appear clearer within the viewing area even in sunny conditions; in addition, ARG produces the best clarity from our 3 windows, with an optically clear result that's great in most applications.

Benefits:

- ✓ High clarity.
- ✓ High scratch and chip resistance.
- ✓ High quality Anti-Reflective properties (suitable for high-bright environments).
- ✓ Suitable to be used with capacitive touch foil.

Specification:

Window Type	Anti-Reflective Glass
Product Code	ARG
Sizes	19" 24" 32" 42" 46" 47" 52" 55" 60" 70"
Durability	Thermally Toughened
Thickness	4mm
Optical Clarity	Highly Transparent
Light Transmission	99%
Anti-Reflection	Reflections are 'invisible'
<i>Note: All windows are bonded to the enclosure, using the same methods.</i>	

Suitable For: 'Outdoor/Indoor'

ARG is Armagard's highest quality and most diverse glass. It's most suitable for outdoor applications due to its very effective Anti-Reflective properties. It's very scratch and chip resistant due to the toughening process it has undergone. If smashed, it will disperse into many small pieces (as shown on image, first page).



Anti-Reflective Polycarbonate (ARP)



10x Stronger than Glass



Anti-Reflective (*Diffused*)

A very cost effective alternative to glass, polycarbonate windows offer substantial impact protection as well as Anti-Reflective properties. But unlike glass, which scatters light upon impact, polycarbonate reflections work on the principle of light diffusion, which diminishes the outbound reflection seen with a textured effect.

Benefits:

- ✓ Extremely durable.
- ✓ Very cost effective.
- ✓ Lightweight, with impact flexibility.

Specification:

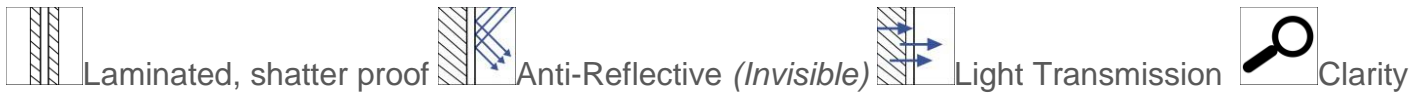
Window Type	Anti-Reflective Polycarbonate
Product Code	ARP
Sizes	19" 24" 32" 42" 46" 47" 52" 55" 60" 70"
Durability	10x Stronger than Glass
Thickness	4mm
UV-Filter	Yes
Optical Clarity	Textured
Light Transmission	88%
Anti-Reflection	Light Diffused
<i>Note: All windows are bonded to the enclosure, using the same methods.</i>	

Suitable for: 'Indoor/Outdoor'

ARP is best for shaded outdoor locations, roofed areas, indoor areas, and direct sunlight (with high-bright display). Excellent for service boards, terraces, and restaurant patios.



Laminated, Anti-Reflective Glass (LAM)



Laminated glass consists of 2x, 3mm panes of glass, held together by a sticky foil, which allows it to be called shatterproof. Should the glass be smashed, it will still be held together by this foil. Whilst it can be cracked, somebody will have a hard time getting ‘through’ it.

It has also Anti-Reflective properties and is therefore suitable for outdoor use. For applications in areas with high levels of direct sunlight we do, however, recommend our ARG glass. LAM is not suitable for the use of a touch foil.

Benefits:

- ✓ High clarity.
- ✓ Shatterproof, (if smashed, the shards will remain in place due to the binding foil).
- ✓ Anti-Reflective properties.
- ✓ Scratch resistant.

Specification:

Window Type	Anti-Reflective Glass
Product Code	LAM
Sizes	19" 24" 32" 42" 46" 47" 52" 55" 60"
Durability	Laminated, shatterproof
UV-Filter	Yes
Thickness	6.4mm
Optical Clarity	Highly Transparent
Light Transmission	99%
Anti-Reflection	Reflections are 'invisible'
<i>Note: All windows are bonded to the enclosure, using the same methods.</i>	

Suitable for: ‘Indoor/Outdoor’

LAM is suitable for indoor and outdoor applications. It’s best used in outdoor conditions, with a high probability of vandalism.

