

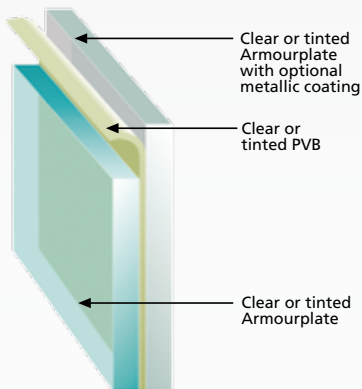
ARMOURLAM™

toughened enamelled safety glass

ArmourLam™ combines the strength and safety of Armourplate toughened glass with the security, solar control and sound dampening features of laminated SmartGlass.

ArmourLam is manufactured by bonding polyvinyl butyral (PVB) interlayers between two pieces of Armourplate under heat and pressure. Customers can select any combination of tinted vinyls from the ColourVue range, as well as any coating from the Armourscreen, Solarshield, SolarVue and CoolVue ranges.

ArmourLam can be used where ordinary annealed glass would be likely to fracture due to high thermal stresses. Because ArmourLam is fully toughened, it can be supplied with boltholes for spider-fitting and other structural systems. This flexibility allows high-performance solar control in frameless glazing systems that appear transparent from the inside and sheer and flush from the outside.



suggested applications

- Bolted assemblies where solar performance and designer colour are required
- Fully framed doors and sidelights where high security is required
- For hail resistance
- Where additional strength for wind loading is required
- Where glass is subjected to high thermal stress (e.g. unfavourable shadow patterns or poor back ventilation)
- Frameless glazing, particularly rooflights
- High strength fully framed balustrades

solar performance

Solar performance figures for ArmourLam are equal to those of the laminated glass equivalent.

installation

ArmourLam may be a sided product, meaning that its appearance may vary when viewed from different sides. Care must be exercised when cutting and glazing to ensure a uniform appearance.

sizes

Maximum sizes for specific thicknesses are outlined in the table below. Other thicknesses, sizes and combinations with body tinted glass and pyrolytic coatings are available on request. The maximum size that can be processed is 4000 mm x 2000 mm, subject to a maximum weight of 240 kg. Recommended maximum size will depend on application and design load.

Normal thickness (mm)	Normal maximum sizes (mm)	Approximate mass (kg/m ²)
9.52	3700 x 2000	20
11.52	3210 x 2000	25
13.52	3210 x 2000	30
17.52	3210 x 2000	40
21.52	3210 x 2000	50