



LAMINATED GLASS ▶▶

The manufacture of laminated glass commences with the glass being thoroughly washed and dried before passing into an air-conditioned 'clean room'. Here the humidity and temperature are strictly controlled, relative humidity is around 35%, The operators wear special lint-free headgear and clothing to ensure the atmosphere is free of dust and moisture.

A PVB interlayer, initially translucent in appearance, is sandwiched between the glass which then passes through pressurized rollers and heating ovens. This pre-nip, de-airing process removes air trapped between the glass and the interlayer(s) as well as softening the PVB to give initial adhesion or pre-tacking.

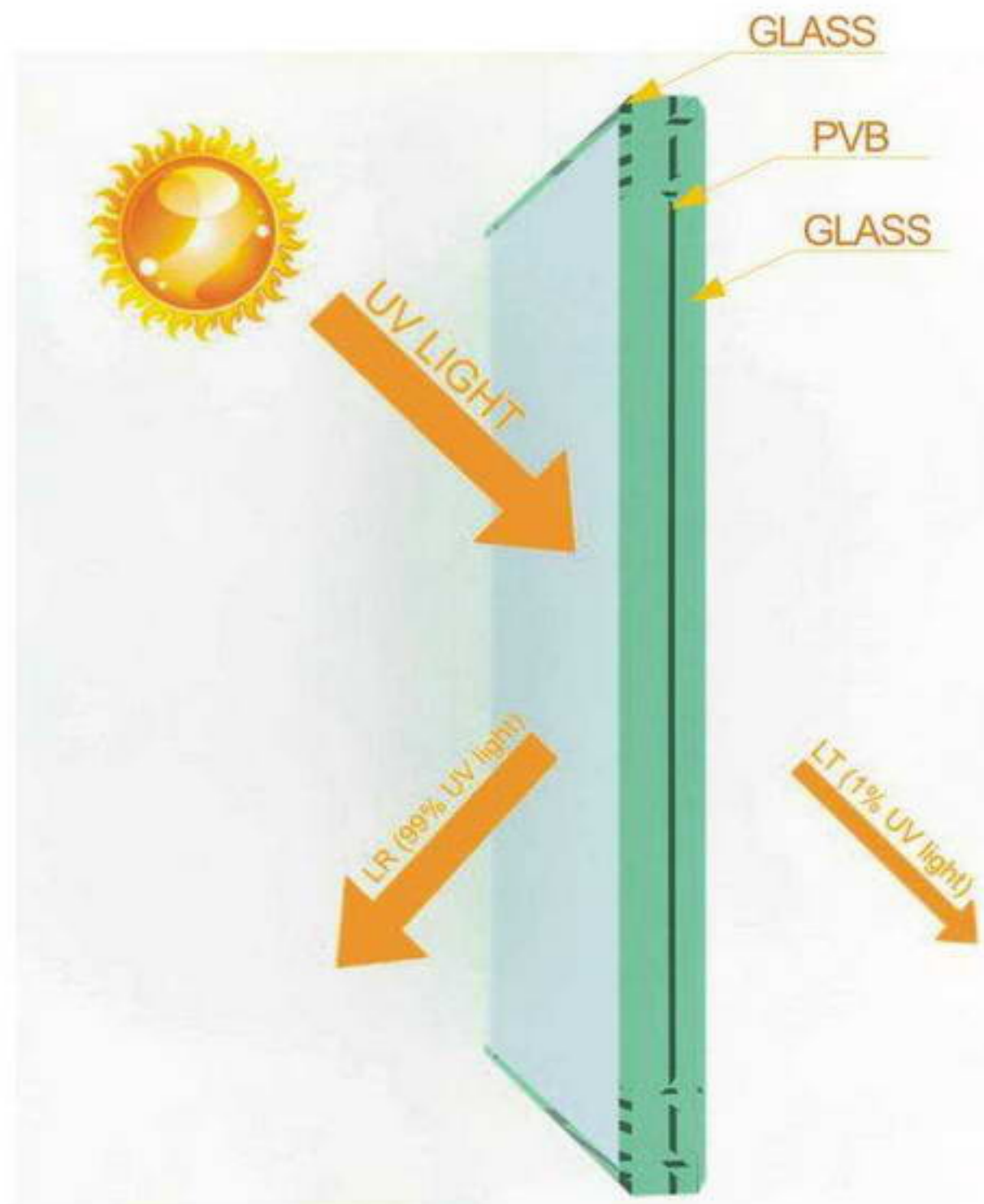
The glass is then autoclaved where it is again heated and subjected to extreme pressure (around 1.3Mpa) permanently bonding the glass and the interlayer. It is during this final process that the glass becomes completely transparent.

KingKind Glass produces laminated glass covering the full spectrum from basic 2 ply clear laminates, through tinted, reflective to multi-ply, bandit and bullet resistant and very high impact performance products.

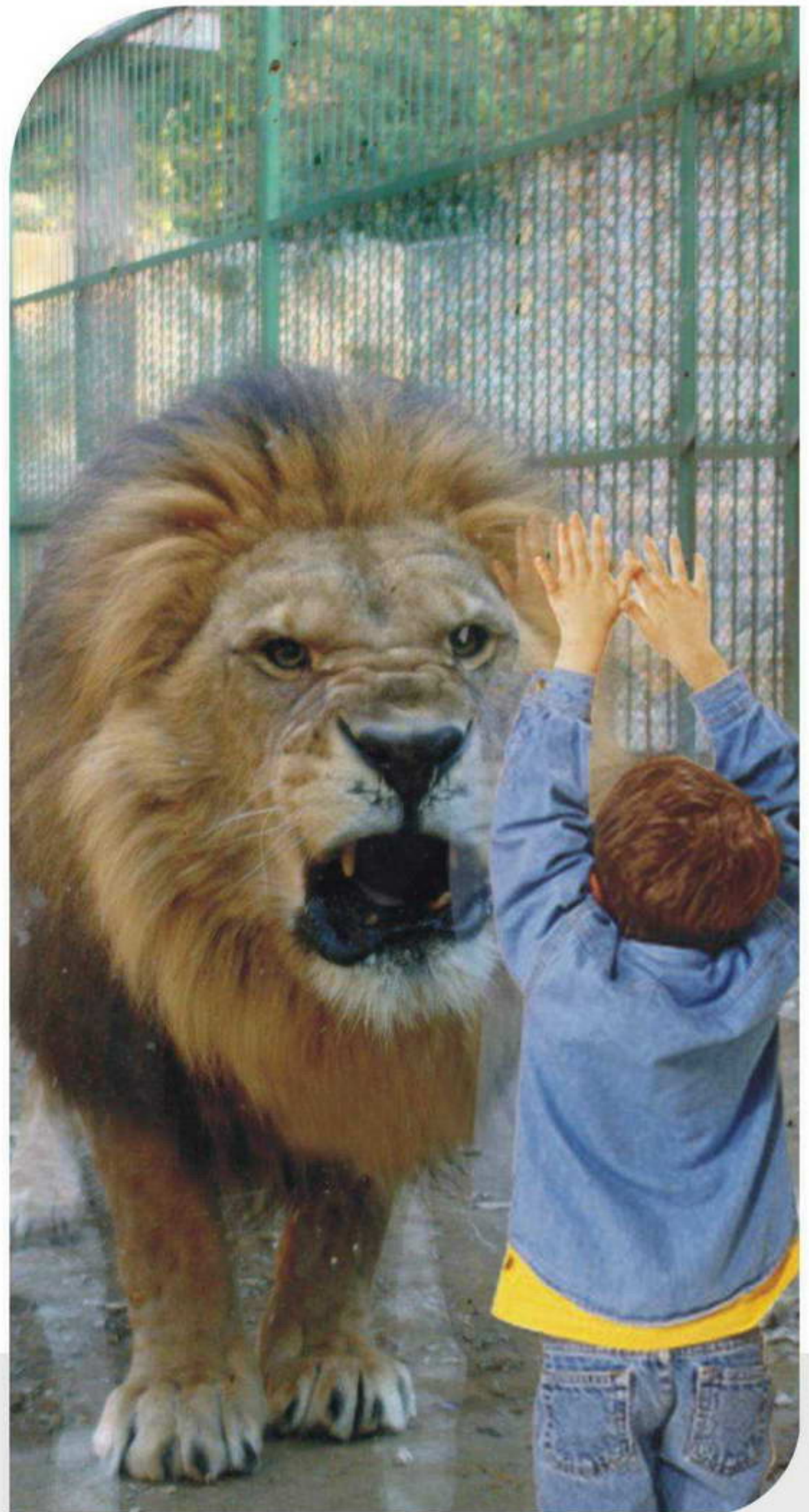
Benefits

▶ UV Elimination

KingKind's laminated glass products protect expensive curtains, furnishings and carpets from the damaging effects of short-wave ultra-violet radiation. The PVB interlayer filters the sun eliminating up to 99% of UV rays while allowing the important visible light to pass through.



Laminated Glass – Protects

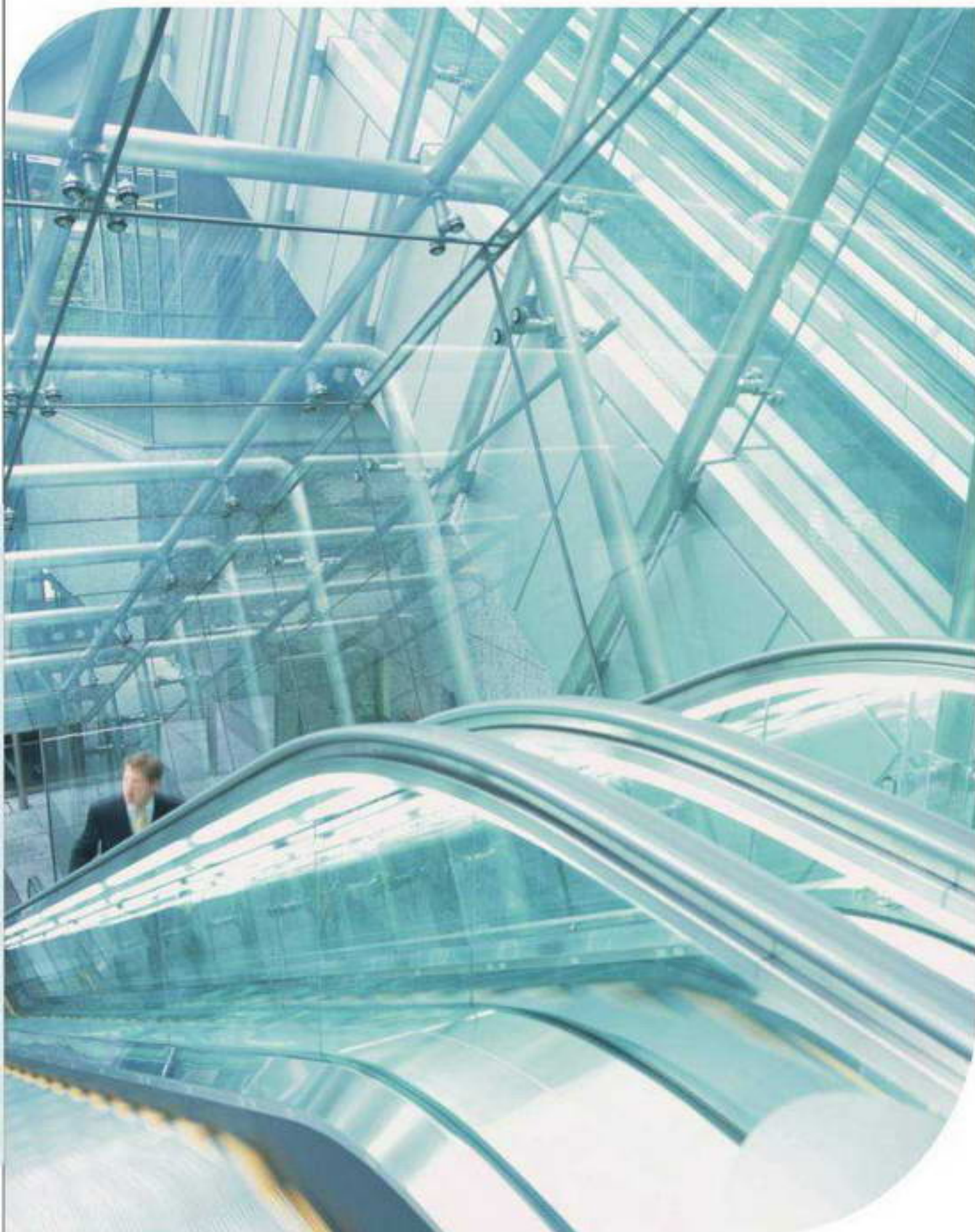


► Security

Laminated glass offers greater protection for people and property by providing an effective barrier when under attack. Although the glass will break if hit with a hammer, brick or similar object, the interlayer will resist penetration ensuring any attempt to enter the premises will be slow and noisy. Also, if attacked the glass will tend to remain in the opening, keeping wind and rain out of the building until it can be replaced at a convenient time.

► Safety

When subjected to accidental human impact, the bond between the glass and interlayer combine to absorb the force of the impact, resisting penetration of the laminate. Should the impact be sufficient to break the glass, the resulting fragments typically remain intact, firmly adhered to the PVB interlayer. This important characteristic significantly reduces the likelihood of serious injury qualifying laminated glass as a Grade A safety glass.



Eastern
Group