res man®

EXTRA STRONG
LAMINATED GLASS

SAFETY & SECURITY
GLASS

EXTRA STRONG,
EXTRA PERFORMANCE

EXTRA STRONG
LAMINATED GLASS

Extra Strong Laminated Glass is produced by combining two or more panels of glass with stronger and more durable special binding agency extra stiff polyvinyl butyral (PVB) interlayer under heat and pressure.

Compared to conventional laminated glass, security performance level of **Extra Strong Laminated Glass** is improved.

Extra Strong Laminated Glass gives designers much more freedom to exploit the aesthetics of glazed features.

Provide an effective performance for structural glazing system such as balustrades, facades and skylights.

Product Advantages

- Expanding the possibilities of architectural glazing designs
- Provides extra performance and security in facades, skylights, glass floors, stairs and glass balustrade
- High stiffness and strength allows large glass designs
- Thanks to excellent post breakage strength, most of the fragments remain stuck to the interlayer even when broken, ensuring safety and security for people and property, ensuring safety and security for people and property
- Very good edge stability
- Can be combined with other colored PVB interlayer
- Reduces noise, allows a quite atmosphere
- Provide extremely high protection against UV radiation, helps to reduce fading
- Low-E (thermal insulation) coated Extra Strong Laminated Glass reduces heat loss coefficient, keeps more heat inside the building
- Solar Control Low-E coated Extra Strong Laminated Glass helps saving energy by reducing cooling and heating expenses of the building

Applications

- Facades
- Balustrades
- Overhead glazing (skylights and canopies)
- Shop Screens
- Internal partitions
- Doors

Performance Value

EXTRA STRONG LAMINATED GLASS	4+0,76 ES PVB+4	5+0,76 ES PVB+5	6+0,76 ES PVB+6	8+0,76 ES PVB+8
Day Light Transmittion LT (%)	88	88	87	85
Solar Factor g (%)	78	76	75	72
Burglary Resistance (TS EN 356)	P2A	P2A	P2A	P3A
Pendulum Impact Resistance (TS EN12600)	1B1			
Young Modulus (3 sn 20°C)	1009 MPa (for standard pvb 24 MPa)			
Shear Modulus (3 sn 20°C)	342 MPa (for standard pvb 8 MPa)			

*ES PVB: Extra Stiff PVB