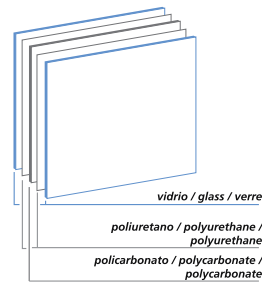


Crimaza

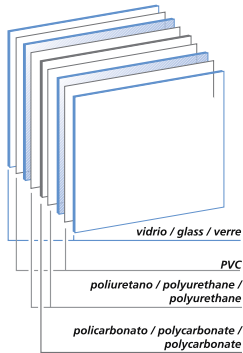
Impenetrable glass



Crimaza: glass + polycarbonate. Crimaza combines the high resistance of polycarbonate to impact with the resistance of glass to cutting, abrasion and heat. This glass is indisputably the best option for protection against physical attacks, since it is practically impenetrable. Crimaza protects against attacks with hammers,

axes, picks and other tools commonly used to break conventional security glazing. Crimaza provides maximum protection with no need for bars. In the event of an attack, if smashed, the glass continues to be impenetrable, and stays in its position. It is not necessary to replace it immediately, since the glass stays in its place.

In addition, Crimaza sets have reduced installation costs, since they are less thick and less heavy than glazing with the same properties using only glass.

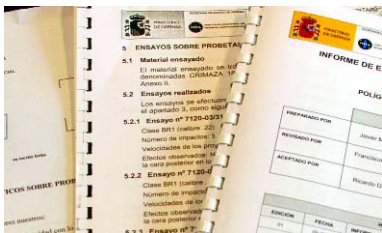


Guarantee

Cricursa, a pioneer company in the field of reinforced glass since 1970, began manufacturing reinforced glass with polycarbonate in 1982, under licence from Sierracin Transtech, worldwide leader in the field of high-security glass. Crimaza is manufactured using the most advanced technologies, which ensure optimum laminating quality, through sophisticated

autoclave cycles at controlled pressures and temperatures. This is the same process used in the arms and aerospace industries, providing maximum security with maximum optical quality. Cricursa's quality management system is backed by its UNE EN ISO 9001:2000 certification. Cricursa's reinforced products are tested in official and indepen-

dent laboratories in accordance with EN, UNE, BS and ASTM standards among others. They are subjected to ballistic and accelerated-ageing tests. Crimaza compositions are tested in compliance with the UNE EN 356 and UNE EN 1063 standards for the BR-1S and BR-2S levels.



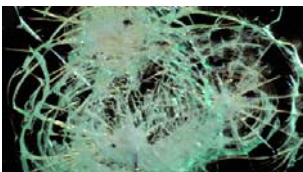
Crimaza glass is tested in compliance with UNE standards



Crimaza Glass. Remains impenetrable after more than 60 blows with a sledgehammer



Conventional bulletproof glass. Has a large hole after 9 blows with a hammer.



Ballistic tests conducted at official centres.

Levels

Crimaza is available in different compositions, depending on the required security level.

Type	Thickness	Ballistic level	Weight
1	15 mm	BR-1s	27 kg/m ²
2	18 mm	BR-1s	37 kg/m ²
3	23 mm	BR-2s, BR-3s	48 kg/m ²
4	22 mm	BR-4ns	46 kg/m ²

Maximum sizes
3000 x 1500 mm

Crimaza



Installation

Only neutral silicones should be used to seal and install the Crimaza glass. The Crimaza glass must be framed on all four sides. All the sides and the perimeter of

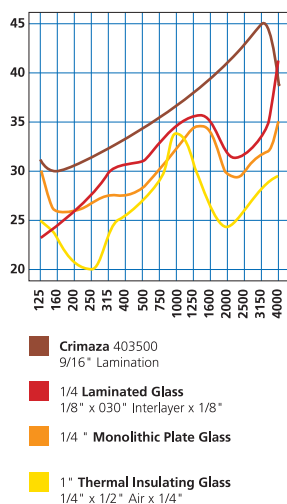
the glass must be supported using the supplied neoprene chocks. If the Crimaza glass is touched up or modified, it loses its warranty.

Crimaza Glass

- Maximum antitheft protection
- High penetration resistance
- Bulletproof protection
- Great transparency
- No need to use bars
- Less weight and less thickness than conventional sheet glass
- Ballistic tests in compliance with UNE standards
- Complies with legal standards, exceeding protection requirements
- Essential for VIP residences, jewellery stores, etc.

Sound insulation

Crimaza sheet glass also has sound insulation properties, as described in the graph.



Applications

- Jewellery stores, fur shops and shops selling valuable goods
- VIP residences, homes
- Offices
- Prisons
- Psychiatric hospitals
- Airports
- Access control systems



CRISTALES CURVADOS S.A.
Camí de Can Ferran, s/n
Pol. Ind. Coll de la Manyà
08400 Granollers (Barcelona)
Tel. +34 93 840 44 70
Fax +34 93 840 14 60
www.cricursa.com
cricursa@cricursa.com

