



TECHNICAL DATA SHEET Security-Bullet Resistant

SECURITY of our lives is as important as the food to our body. Depending on the type of area we are living in, levels of security is defined. FUTURE GLASS in addition to other range of performance and aesthetic products, also offers security solutions. Having a wide range of Bullet Resistant security solutions allows our customers to choose the right product as per their requirement. Majority of our SECURITY-Bullet Resistant products are tested and certified by the third party.

SECURITY-Bullet Resistant Construction

SECURITY-Bullet Resistant is categorized in two fundamental options, Spall and no Spall. These two types are the requirement of BSEN 1063, which is a European standard. Clients can choose any of these based on their requirements. Both the options are effective and comes in different levels of bullet resistance. Spall bullet resistant glass emits splinters when force impacted on the surface of the glass by the bullet. Reason being construction of Spall glass is done using multi laminated glass units. These types of applications are suitable where the stand-off distance is more. No spall glass construction is done using Poly carbonate sheet along with multi layers of glass laminated altogether. When there is an impact, the bullet penetrates and the panel does not splinter, which is a safer option to choose for the applications where stand off area is nearby the application. Other than this we have products tested and certified with UL 752 and National Institute of Justice (NIJ). FUTURE GLASS also supplies Bullet Resistant glasses having fire resistant rating.

TECHNICAL SPECIFICATIONS

Description	Levels
Process Type	Cutting to the size followed by autoclaving.
Glass Type	Clear, extra clear, ultra clear, tinted, solar-control coated, low-E coated
Glass Thickness	23mm to 80mm
Bullet Resistant Levels	BR1 to BR7 , UL level 1 to UL level 8 , NIJ level I to Level IV

INTERNAL APPLICATION

Description	Levels
1. Bank cabins	2. Stadium panel discussion room
3. VIP room partitions	4. Any other area of high security

DIMENSIONS

Description	Levels
Minimum Size	500mm X 300 mm
Maximum Size	2000 mm X 4500 mm (SPALL) 1800 mm X 3000 mm* (No Spall)

UNIQUE SELLING POINTS

Description	Levels
1. Tested products for security	2. Can be used for both external and internal applications.
3. Big size panels available.	4. Customized products as per requirement.
5. Great acoustic insulation properties.	6. Reduces heat-buildup and thermal stress.