

## PRODUCT SPECIFICATIONS

### Hammerglass Ballistic Protection BR4NS



## Hammerglass BR4NS

A unique, lightweight bullet-resistant glazing solution in the medium protection class BR4-NS (No Splinter), where laminated glass sheets are combined with a Hammerglass sheet to provide the lowest possible weight and thickness. The inner pane in Hammerglass prevents spalls or splinter to enter into the room.

For a unit to obtain BR4-NS certifications, tests are done with a .44 Magnum revolver, where 3 shots are fired from 5 meters range.

Besides the Hammerglass BR4NS, we also offer complete solutions with customized ballistic steel systems for window and door applications. These reinforced steel systems are certified and obtained the FB4 classification (EN 1522 standard), to provide a complete defense against ballistic attacks.

### Applications

Embassies, banks, jeweller stores, private residences, military facilities, with medium threat level.

### Product description

Hammerglass BR4NS is a medium range ballistic protection glass. The unit consists of a multi layer of laminated glass where the inner laminated pane is in Hammerglass in order to prevent spalls or splinter to enter the room.

Hammerglass offers a unique nano-technology coating, resistant to chemicals and most acid attacks. This means graffiti and other dirt can be removed with graffiti remover and other cleaning products.

Hammerglass does not contribute to the spreading of flames in a possible fire.

### Security Class and certificates

Hammerglass BR4NS is tested according to specifications in EN 1063 BR4-NS by Beschussamt Ulm in Germany. Hammerglass is also certified according to British Police standards "Secured by Design".

### Text proposal for product specifications

"The bullet resistant glass unit is to be of type Hammerglass BR4NS"

### Laser marking

All Hammerglass panes are laser marked with logo and serial number.

### Warranty

1 year warranty against delamination.

### Installing

Hammerglass is installed only by certified installers in order to guarantee the highest quality.

#### Technical specifications

|                  |                      |
|------------------|----------------------|
| Protection level | BR4-NS (Magnum 44)   |
| Thickness        | 23 mm                |
| Weight           | 54 kg/m <sup>2</sup> |
| Inner pane       | Hammerglass          |
| Spalls /Splinter | No spalls /splinter  |

