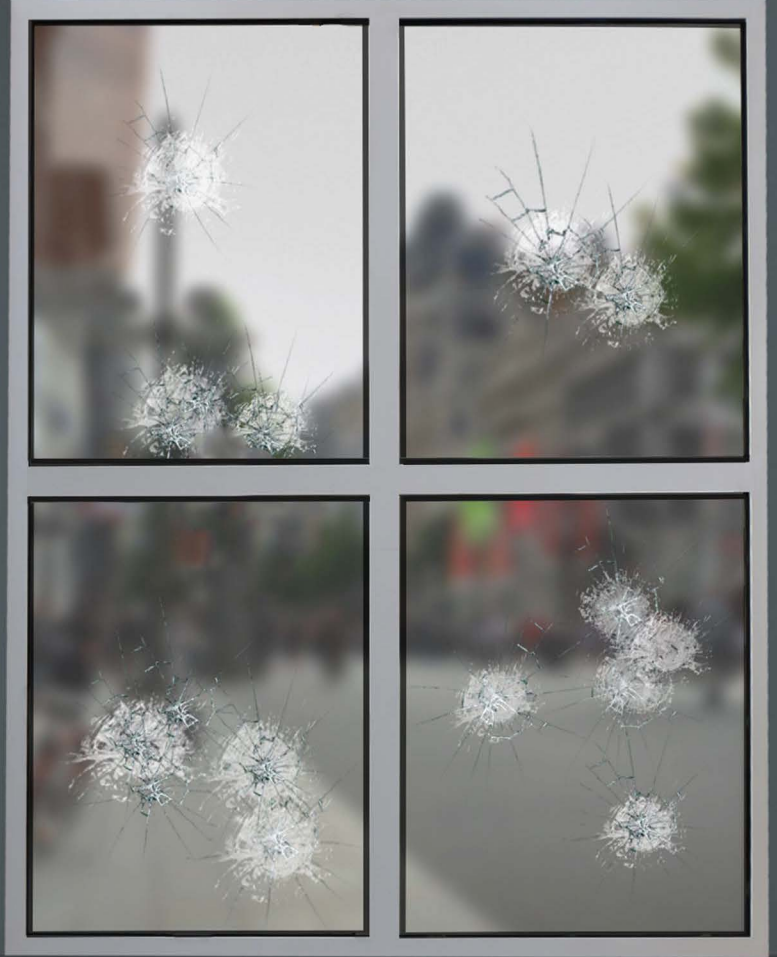


# FBW-700/NS



## FB7 -Bullet Resistance Aluminum Curtain Wall System

Throughout history, buildings, which were constructed by various materials, have been the most preferable security feature of mankind and this concept has not been changed. Even though contemporary architectural designs and newly developed technologies provide occupants superior solutions in terms of living spaces ,still specially designed and developed products are needed to be use for enhanced security features.

Nevertheless security requirements are getting intensify especially due to usage types of buildings, glazed facade solutions that forms vulnerable points for intruders and danger zones for occupants are still the key components of modern day buildings, hence increasing risks lead the industry to create more enhanced and sophisticated solutions in terms of security.

By reason of enhanced security concerns; Bisam Facade designed & developed FBW-700 / NS, a curtain Wall system that not only fulfill modern day architectural needs, but also provides enhanced bullet protection to occupants.



**FB-7 Class Rating**

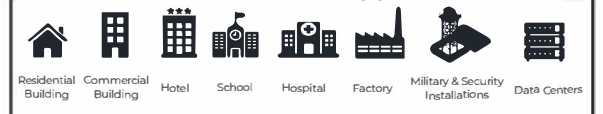


**No Glass Splinters**



**Tested according to EN 1522 & 1523**

### Application Areas



## Features

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### General Characteristics

- An aluminum framing & glass system with security class FB-7
- Compliant to EN 1522 and EN 1523
- Superior infiltration (air & water) rates.
- Easy assembly & installation .
- Applicability to various architectural topologies.
- Able to allow large size applications.
- Superior aluminum framing design that allows larger exposed glazing areas.
- Suitable for interior and exterior applications.
- Compatible to use with FBD-700/ NS and FBD-701/ NS single & double door systems
- Various hardware options.
- Ability to use with sidelites and transom panels.
- Various capping option for versatile external appearances.
- Applicability of top hung or casement vents with manual or motorized operating.

### Operable Options

#### **Top Hung**

- Minimum Sash size : 400 mm x 400 mm.
- Up to 1300 mm height manual or motorized options.
- 1300 mm to 2000 mm height only motorized option.
- Special solutions for larger than 1500 mm x 2000 mm size sashes.

#### **Casement**

- Minimum Sash size : 400 mm x 800 mm.
- Special solutions for larger than 1400 mm x 1600 mm size sashes.

### Framing

- All- aluminum system framing system with high quality, multi-sliced extruded profiles.
- Precisely applied high quality bullet resistant protection material.

### Finishes

- All standard powder coating colors with qualicoat certification.
- All standard anodized colors with qualanod certification.
- Custom colors availability for project base under the conditions determined by the paint producers.

### Glass

- BR - 7 No splinters class bullet resistance laminated safety glass.
- Tested & certified according to EN 1063.
- 74 mm nominal thickness.
- Consist of clear float glass as standard unit.
- Availability of low iron option for better visual and optical quality.
- Ability to use with coated glasses as IGU units. resistance glass.
- E1 60 rated tempered safety glass.
- 25 mm nominal thickness

### Performance Test Standards

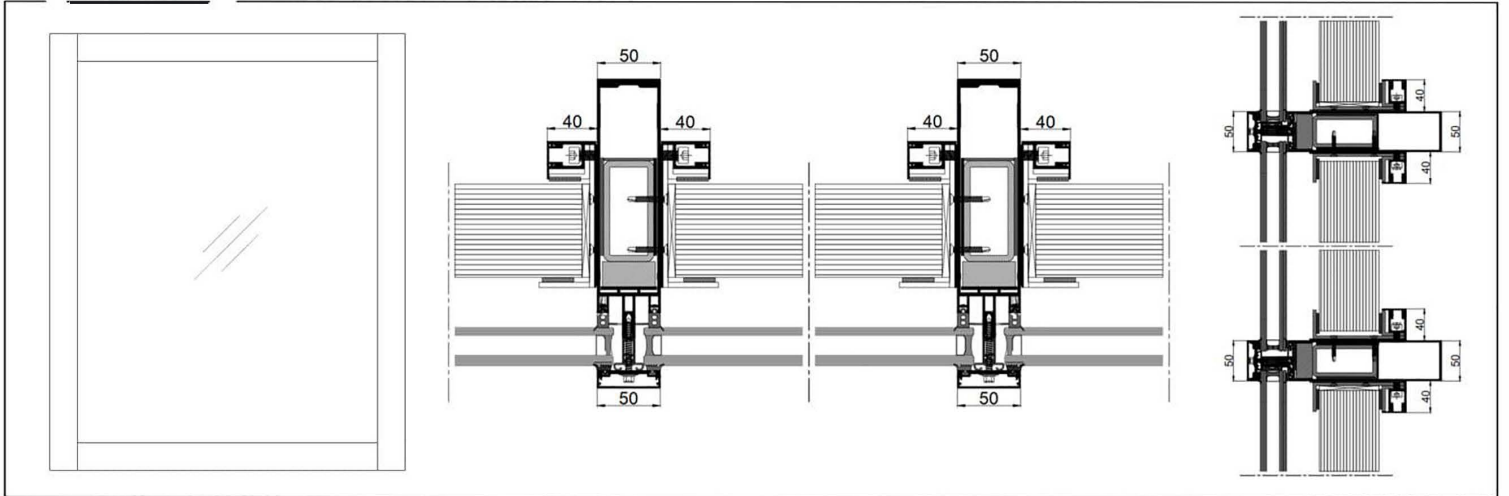
- All testes were performed according EN 1522 and EN 1523 to in accredited laboratories
- All opening hardware were tested according to EN 179 or EN 1125

## Technical Details

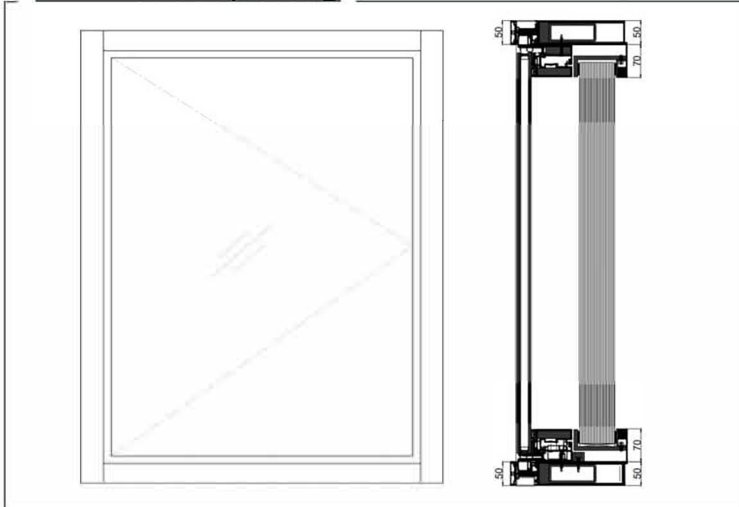
Bullet resistance performance	FB7
Thermal resistance	
Air Permability	Class 4 (EN 12152)
Watertightness	Class RE1200 (EN 12154)
Windload Resistance	2000 Pa (EN 13116)
Glazing Range visible with (interior and exterior)	up to 75 mm 50 mm
Depth mullions	185-245 mm
Depth transoms	189-249 mm
Exterior face caps	Different shapes available

## Details

### Elevation



### Casement Opening



### Top Hung Opening

