



## BlasTek A

### Aluminium Blast Resistant Doors

Gunnebo blast resistant doors have been specially developed for sensitive sites exposed to the risks of accidental (industrial hazards) or terrorist explosions, whilst maintaining an elegant and seamless appearance.

The BlasTek A range provides protection against the two types of explosion i.e. detonation and deflagration. It has been tested by independent bodies according to the relevant standards (EN 13123/4 and ISO/DIS 16933) to certify the full doorsets' resistance to blast pressure following an explosion whether it is a detonation or a deflagration.

Since aluminium is a material easy to shape and form, the BlasTek A is an optimal solution to combine design and function requirements.

The ease of integration into the building, the high degree of design choice including dimensions, finishes and colours mean that the BlasTek A doors are versatile and can be used for building refurbishments and new constructions.

Additionally the BlasTek A range offers a selection of partitions and windows to allow for the design of complete façade or enclosure solutions.



## Material

- Framework: Extruded aluminium profile
- Infill: Laminated security glass or solid infill made of a steel sheet and white colour laminated
- Finish: Powder coat to RAL 9010, 9006, 7035 or 7037

## Standard Equipment

- Locking: 3-point mechanical Euro Lock
- Handle: Lever handle on both secure and blast sides

## Construction

- Opening: Up to 150° outward (depending upon model)
- DIN: Left or right
- Clear opening: 900mm (2 x 900mm only available with BlasTek A double leaf)

## Reference Standard

The BlasTek A blast resistant range is tested and certified for the complete doorset (frame and infill material as well as locking device and accessories) according to the relevant standard:

- EN 13123/4-1 for deflagration and detonation most often caused by industrial hazards - Shock tube tested
- ISO/DIS 16933 for explosions most often caused by terrorist attacks - Open field tested

## KEY FEATURES

- Elegant and seamless appearance
- Resistance against blast pressure
- Versatility
- Complementary blast resistant windows and partitions

## MODELS

- BlasTek AF  
Deflagration Mitigation Doors
- BlasTek AT  
Detonation Mitigation Doors
- BlasTek AX  
Open Field Detonation Mitigation Doors (explosive charge)

## OPTIONS

- Alternative RAL colours or anodised finish
- Door position contact switch
- High security cylinder
- Electric lock
- Push buttons
- Choice of handle types
- Panic bar
- Combined bullet resistance

## STANDARD TECHNICAL SPECIFICATIONS

| Model                                  | BlasTek AF20-S Lite                        | BlasTek AF20-G Lite | BlasTek AF50-S   | BlasTek AF50-G | BlasTek AT25-S                           | BlasTek AT25-G | BlasTek AT50-S             | BlasTek AT50-G |
|--|--|---------------------|------------------|----------------|--|----------------|----------------------------|----------------|
| Type   Test                            | Deflagration Mitigation Doors   Shock Tube |                     |                  |                | Detonation Mitigation Doors   Shock Tube |                |                            |                |
| Reflected pressure peak                | 22kPa for 300ms                            |                     | 50 kPa for 300ms |                | 25kPa for 35ms                           |                | 50 kPa for 35ms            |                |
| Reference standard                     | EN 13123/4-1                               |                     |                  |                | EN 13123/4-1                             |                | EN 13123/4-1 - EPR1 (20ms) |                |
| Leaf options                           | Single   Double                            |                     | Single   Double  |                | Single   Double                          |                | Single   Double            |                |
| Total standard width (Single   Double) | 1100   2100                                |                     | 1150   2150      |                | 1150   2150                              |                | 1150   2150                |                |
| Total standard height                  | 2130                                       |                     | 2130             |                | 2130                                     |                | 2130                       |                |
| Aluminium framework                    | 60mm-thick                                 |                     | 80mm-thick       |                | 80mm-thick                               |                | 80mm-thick                 |                |
| Infill                                 | Solid                                      | Glazed              | Solid            | Glazed         | Solid                                    | Glazed         | Solid                      | Glazed         |

## OPTIONAL TECHNICAL SPECIFICATIONS

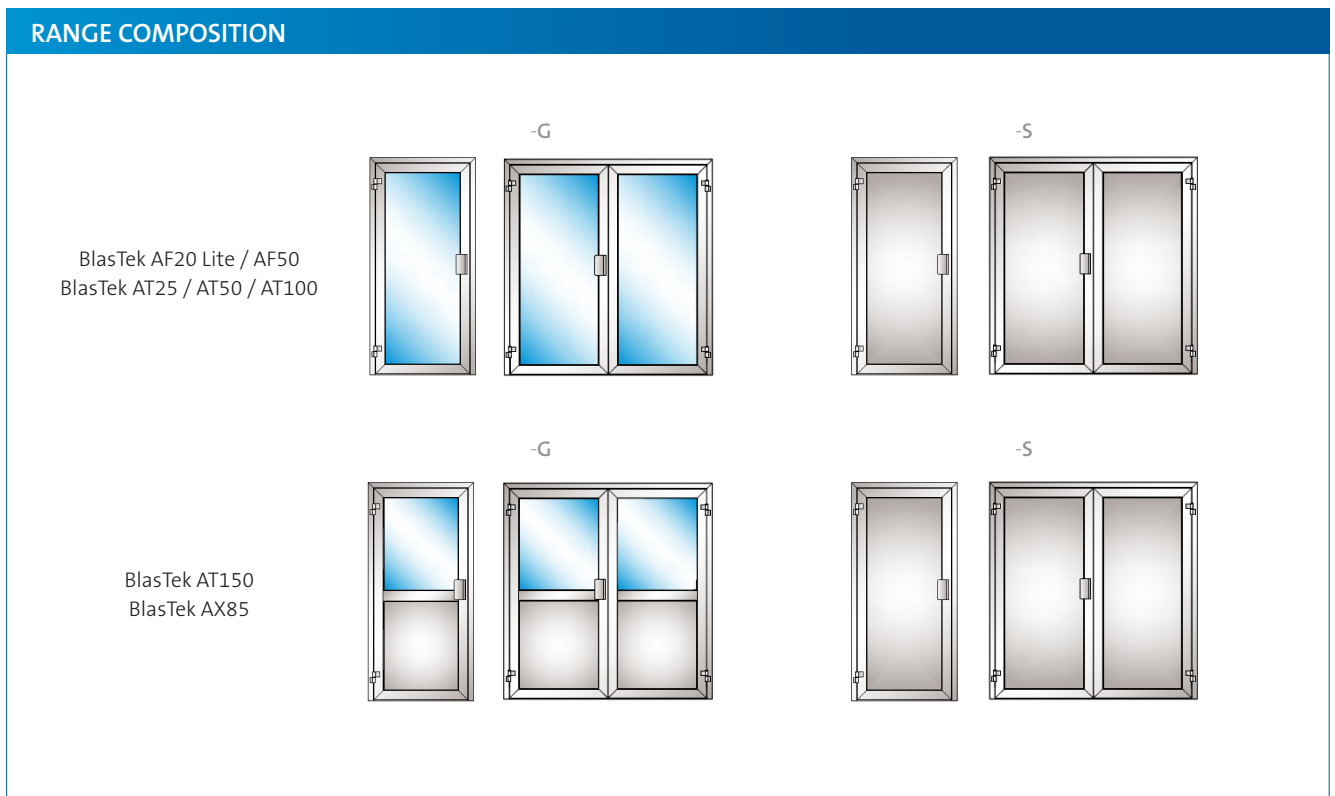
|                                      |                      |   |                      |   |                      |   |                      |   |
|--------------------------------------|----------------------|---|----------------------|---|----------------------|---|----------------------|---|
| FB2 bullet resistance                | -                    | - | •                    | • | •                    | - | •                    | - |
| FB5 bullet resistance*               | -                    | - | o                    | o | o                    | o | o                    | o |
| FB6 bullet resistance*               | -                    | - | o                    | - | o                    | - | o                    | - |
| Non standard width (Single   Double) | 880-1150   1580-2170 |   | 880-1150   1580-2170 |   | 880-1150   1580-2170 |   | 880-1150   1580-2170 |   |
| Non standard height                  | 2090-2150            |   | 2090-2150            |   | 2090-2150            |   | 2090-2150            |   |
| Electric locking                     | o                    |   | o                    |   | o                    |   | o                    |   |

• Standard option    o Optional equipment    - Not available    \* Up to given resistance

In pursuit of its policy of continuous refinement and improvement, Gunnebo reserves the right to modify design and details given in this material at any time and without notice. Images enclosed in this material are examples of installations and may not be indicative of a standard product.

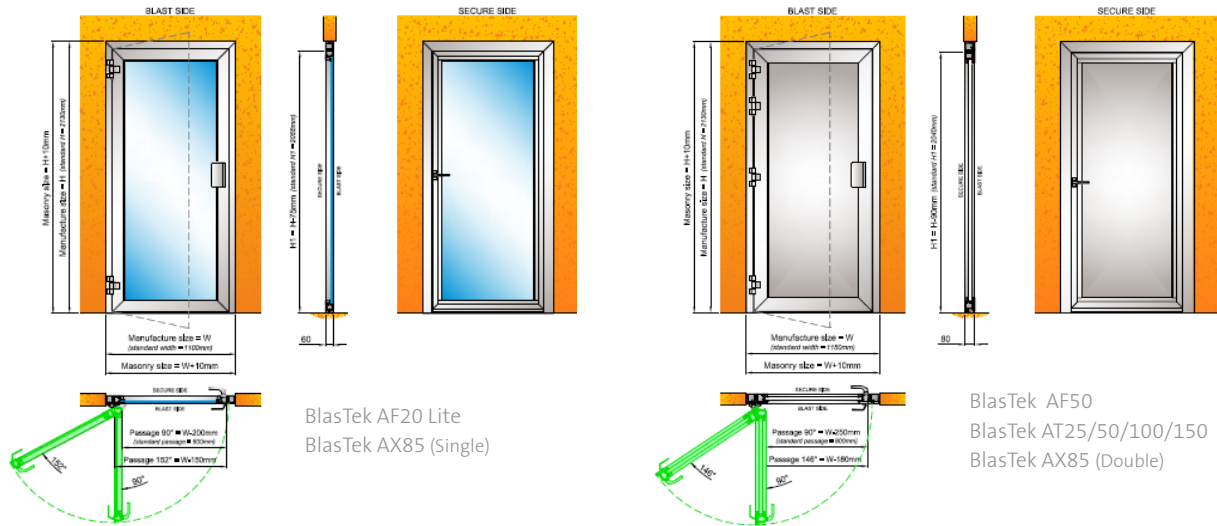
| TECHNICAL SPECIFICATIONS (CONTINUED)          |  |                 |                           |                 |   |                |
|---|--|-----------------|---------------------------|-----------------|---|----------------|
| Model   | BlasTek AT100-S                          | BlasTek AT100-G | BlasTek AT150-S           | BlasTek AT150-G | BlasTek AX85-S                            | BlasTek AX85-G |
| Type   Test                                   | Detonation Mitigation Doors   Shock Tube |                 |                           |                 | Explosion Mitigation Doors   Open Field   |                |
| Reflected pressure peak                       | 100kPa for 35ms                          |                 | 150kPa for 35ms           |                 | 87kPa for 12ms                            |                |
| Reference standard                            | EN 13123/4-1 - EPR2 (20ms)               |                 | EN13123/4-1 - EPR3 (20ms) |                 | ISO/DIS 16933 - 100kg TNT charge at 25m   |                |
| Leaf options                                  | Single   Double                          |                 | Single   Double           |                 | Single   Double                           |                |
| Total standard width (Single   Double)        | 1150   2150                              |                 | 1150   2150               |                 | 1100   2150                               |                |
| Total standard height                         | 2130                                     |                 | 2130                      |                 | 2130                                      |                |
| Aluminium framework                           | 80mm-thick                               |                 | 80mm-thick                |                 | 60mm-thick (Single)   80mm-thick (Double) |                |
| Infill  | Solid                                    | Glazed          | Solid                     | Glazed          | Solid                                     | Glazed         |
| OPTIONAL TECHNICAL SPECIFICATIONS (CONTINUED) |  |                 |                           |                 |   |                |
| FB2 bullet resistance                         | •  | •               | •                         | •               | -   | -              |
| FB5 bullet resistance*                        | o  | o               | **                        | **              | -   | -              |
| FB6 bullet resistance*                        | o  | -               | -                         | -               | -   | -              |
| Non standard width (Single   Double)          | 880-1150   1580-2170                     |                 | 880-1150   1580-2170      |                 | 880-1150   1580-2170                      |                |
| Non standard height                           | 2090-2150                                |                 | 2130-2150                 |                 | 2130-2150                                 |                |
| Electric locking                              | o  |                 | o                         |                 | o   |                |

• Standard option    o Optional equipment    - Not available    \* Up to given bullet resistance    \*\* Optional up to FB4 bullet resistance



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## SITE PREPARATION



Enclosed drawings are representative of BlasTek A single leaf versions. For dimensions of BlasTek A double leaf versions, refer to the BlasTek A "Technical Specifications" section.

## NOTICE

- The product performance depends upon the quality of its installation. All installation details are provided in the BlasTek A installation manual.
- A door stop is recommended to prevent any damage to the door closer.
- Any modification of a certified doorset by adding non factory fitted device may result in the loss of certification. Contact Gunnebo for more information.
- Certificates for blast and bullet resistance are available on demand. Contact Gunnebo for any certificates request.
- Any BlasTek A door can be upgraded to a BlasTek Plus intelligent door. Refer to DorTek Plus product data sheet for more information.