

OBEXION BALLISTIC DOOR

FEATURES

- Hardened integral protection
- BS EN 1522: 1999 FB1 to FB7 performance compliant
- Developed to resist experienced attacks

Please Note: Options such as double doorsets are available though may fall outside of certified scope.



CERTIFIED PROTECTION AGAINST:



Forced Entry:
Bodily Force

Mitigation of opportunist intruder attempts using manual or bodily force including tools.



Forced Entry:
Power Tools

Protecting against deliberate forced entry of premises using mechanically-enhanced power tools.



Ballistic

Mitigation of ballistic risk combines advanced performance rating and manufacturing methods.



Bespoke

Securing people, property and assets against bespoke risks and severe threats.

The Obexion Ballistic Door offers properties facing severe risk including ballistic attacks, hardened protection within internal and external doorways.

Engineered and tested to BS EN 1522: 1999 FB1 to FB7 criteria, the Obexion Ballistic Door is manufactured to exacting standards including a steel core leaf for hardened integral protection.

ADDITIONAL

Each leaf encapsulated in steel offering doorset additional protection against damage. Surface-mounted multi-point locking to accommodate almost every operational requirement.

OBEXION BALLISTIC DOOR

SUITABLE APPLICATIONS INCLUDE

- Laboratories and Research buildings
- Critical National Infrastructure
- Government applications

APPROVED DIMENSIONS (CERTIFIED SCOPE)

	Opening Direction	S/O Max. Width	S/O Min. Width	S/O Max Height	S/O Max Height
Single	Inward	700	1400	1468	2500
	Outward	700	1400	1468	2500
Double	Inward	1400	3000	1900	2500
	Outward				

CERTIFIED SCOPE

- A) Single inward opening doorsets
- B) Single outward opening doorsets
- C) Double outward opening doorsets

FRAME CONSTRUCTION

- A) Frame Profile: -120x70mm, Rebated 25mm
- B) Frame Material: -Hardwood of minimum density 650kg.m⁻³
- C) Architrave: -45x15mm - pencil rounded

LEAF CONSTRUCTION

- A) Leaf Thickness: -Min 54mm
- B) Leaf Material: -Hardwood core of minimum density 800kg.m⁻³
- C) Leaf Weight: -Min 69kg.m⁻³
- D) Facings: -2 4mm WBP plywood skins per face
- E) Reinforcing: -Hardened integral protection
- F) Hinges: -Min 3 Surelock McGill S2-HA6 hinges per leaf to EN 1935: 2002
- G) Hinge Bolts: -2 Surelock McGill S-8375 per leaf
- H) Steel Encapsulation: -1.5 Zintec steel to both faces, returned to all edges and secured around the return

ACOUSTIC PERFORMANCE

Available certified to BS EN ISO 717-1:1997 up to Rw 40dB

PRODUCT REFERENCE

Obexion Ballistic Door

PERFORMANCE

BS EN 1522: 1999 FB1 to FB7 performance

FB PERFORMANCE SUMMARY

Threat	Weapon	Calibre	Bullet Type	Mass (g)	Velocity	Remarks
FB1	Rifle	0.22 in long rifle	Lead	2.6	360	
FB2	Hand Gun	9mm longer	Ball	8.0	400	
FB3	Hand Gun	0.357 in Magnum	Ball	10.2	430	
FB4	Hand Gun	0.44 in Magnum	Ball	15.6	440	
FB5	Rifle	5.56mm x 45	Ball w/ steel penetrator	4.0	950	NATO Bullet
FB6	Rifle	7.62mm x 51	Ball	9.5	830	NATO Bullet
FB7	Rifle	7.62mm x 51	Armour Piercing	9.8	820	NATO Bullet

VISION PANELS (OPTIONAL)

350x150mm glazed panel all as tested and approved
2 panels required for DDA compliance
Glazing Options: Tecdur DC49GG

LOCKING OPTIONS

Surface-mounted three of five way system all as tested and certified
Entry:
Key via tested and approved cylinder
Access Control via 12v, 24v, or 50v solenoid lock
Combination via mechanical digital lock
Exit:
Thumb-turn and lever
Key and lever handle
Access Control via 12v, 24v, or 50v solenoid lock
Push Pad
Panic Bar

FINISHES

Full gloss paint finish to BS or RAL colour specifications.
Marine grade finish available for locations with severe weather conditions.