

Blast Protection - Windows



Blast blind protection

Imagine that an office similar to the above is the target of an explosive attack! The risk of death or injury to staff and public from flying glass is significant and can happen even with smaller explosions.

Our Secur™ range of blast mitigation blinds will help prevent against substantial explosions and have been trialled in full scale blast tests to prove their effectiveness.

How do they work



In day to day use, the blinds appear and act as normal vertical blinds making them completely acceptable for use in normal environments without giving the appearance of "fortifications".

In the event of an explosion, the blast wave automatically and instantaneously shuts the blinds and stops dangerous flying glass and debris from entering the environment.

In testing, the blinds achieved a "UK low hazard" rating against explosions of both 100kg and 500kg TNT equivalent making them one of the most comprehensive levels of defence available far more than anything that can be achieved with films or curtains.



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Proven protection

Multiple full scale blast tests have confirmed the protection levels and those unfortunate enough to be caught up in an explosive event will be considerably better protected with our blinds in place.

Test results and extrapolations are below.



Test 1 Variables - Secur™

	Distance from blast in metres	Blast size (KG TNT equivalent)
Physical Test	23	100
Extrapolation 1	10	8
Extrapolation 2	25	128
Extrapolation 3	50	1,027
Extrapolation 4	100	8,219
Extrapolation 5	14	25
Extrapolation 6	18	50
Extrapolation 7	29	200
Extrapolation 8	36	400

Test 2 Variables - Secur™ Ultra

	Distance from blast in metres	Blast size (KG TNT equivalent)
Physical Test	29	500
Extrapolation 1	10	20
Extrapolation 2	25	320
Extrapolation 3	50	2,562
Extrapolation 4	100	20,500
Extrapolation 5	10	25
Extrapolation 6	13	50
Extrapolation 7	21	200
Extrapolation 8	27	400

Peace of Mind

In most instances, the Blast Blinds can be easily and unobtrusively retro-fitted into existing window reveals to give the best level of protection available however in the unlikely event that this is not the case we can engineer an alternate fixing method.

Our teams can provide initial site survey work, professional installation as well as ongoing maintenance checks for your peace of mind.

We are always happy to discuss your requirements and how we can help you.