

Protectex Door Matrix

The following table is a brief overview of our protectex range of doors showing typically high blast levels. The Series 3 Protectex range of doors can however be tailored to suit project specific requirements where doors and windows are required to provide a high level of protection from various threats. The range is in continual development and improvement as shown in the table under “planned development”.

■	Proven	Quick reference					Glazing / Panel				Blast			Fire		Ballis tic	Forced Entry
	Planned development																
Series	Description	Blast	Fire	Ballistic	Forced Entry	Thermal break	Solid	Vision panel	Half Glazed	Fully Glazed	Peak (kPa)	Duration (msec)	Impulse (kPa msec)	Integrity (minutes)	Insulation (minutes)	level	Level
3A-1	Steel Blast Door	■	□	■	■	□	■	■			1056	1.4	728			BR7	
3A-2	Steel Blast Door	■	□	■	■	□	■	■			227	100	11350			BR6	US DOS 60 minute 15 with VP
3A-3	Steel Blast Door	■	□			□	■		■		160	19	1500				
3A-4	Steel Blast Window	■	□	■	□	□	■		■		227	100	11350			BR7	
3A-5	Steel Blast Door	■	□	■	■	□	■	■			534	6.4	1707			BR4	
3B-1	Steel Blast and Fire Door	■	■	■		□	■	■	■	■	41	200	4100	136	28	BR4	

Series 3b-1 Steel Blast And Fire Door (41/200)

The protectex 41/200 door is a variation of the high blast protectex door system, developed for the petrochemical industry.

The protectex 41/200 has been calculated by TPS consult to resist a peak pressure of 41kPa with a substantial duration of 200msec, the TPS calculations were then certified by Baker Risk who are also recognised world leaders in the field. This door system has been tested to 2 hours integrity only fire resistance by Exova Warrington test facility.

The Protectex door system has supporting calculations for large double doors up to 3.3m x 2.6m with the design being scalable to large door sizes.

