



ENV 1627 SECURITY TESTING

To demonstrate the expected security rating that you can expect from our range of security doors, we have chosen to test our doors to the European Security standard ENV1627.

The doors are third party tested by Warrington apt.

ENV1627 classifies doors into 6 classes, Class 1 being the lowest security level and Class 6 being the highest.

The tests are divided into two types, the first consists of different static and dynamic loads that are applied from the inside of the door leaf to the corners of the leaf, and at the locking points, The tests are made to show the stability and strength of each door.

The second type of tests are practical burglary attempts made with different types of tools during a specified time limit.

ROBUST have 3 levels of security doors tested as detailed in the table below.

ROBUST DOOR TYPE	ENV 1627 SECURITY CLASS	TOTAL RESISTANCE PERIOD	INTENDED PROTECTION LEVEL
SD2	Class 2	15 Minutes	Determined attack with some preparation and a number of tools. Willing to make some but not prolonged noise.
SD3	Class 3	20 Minutes	Deliberate forced entry of a well protected domestic residence or commercial property using a wide choice of tools with little regard for noise
SD4	Class 4	30 Minutes	Experienced attempts at forced entry of commercial premises with no regards of noise



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COMPARISON BETWEEN ENV1627 and LPS1175

There are a number of different security standards that doorsets can be tested too. The two main ones are ENV1627 and LPS1175. The two standards are similar and to help our customers make an informed choice we have provided the following tables comparing the static loads applied in the two standards and the amount of distortion permitted and the practical burglary attempts, their attack times and the tools permitted.

STATIC LOAD ELEMENT OF TEST Comparison Between ENV 1627 and LPS1175

SECURITY RATING		CORNERS		BETWEEN LOCK POINTS		AT LOCK POINT	
		LOAD kn.	MAX DEF	LOAD kn.	MAX DEF	LOAD kn.	MAX DEF
LPS 1175	2	3	5mm	1.5	30mm	3	10mm
ENV 1627	1/2	1.5	25mm	1.5*	10mm*	3	10mm
LPS 1175	3	6	5mm	3	20mm	6	10mm
ENV 1627	3	6	25mm	6*	10mm*	6	10mm
LPS 1175	4	10	5mm	6	10mm	10	10mm
ENV 1627	4	10	25mm	10*	10mm*	10	10mm
LPS 1175	5	15	5mm	10	10mm	15	10mm
ENV 1627	5/6	15	25mm	15*	10mm*	15	10mm

- Note: In ENV 1627 there is no static load test in between the locking points. This test actually applies the load in the direction that would disengage the locking bolts



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PRACTICAL ATTACK ELEMENT OF TEST

Comparison Between ENV 1627 and LPS1175

DOOR TYPE	SECURITY LEVEL		ATTACK TOOLS PERMITTED		ATTACK TIME		TEST TIME		INTENDED SEVERITY OF RISK / ATTACK
	LPS 1175	ENV 1627	LPS 1175	ENV 1627	LPS 1175	ENV 1627	LPS 1175	ENV 1627	
	2	2	LPC LPS 1175 Above + 350mm Bolt Cutter, Claw Hammer, Hand Drill and Drill Bits, Junior Hacksaw, Plate Shears 200mm lg, Slip Joint Pliers, Pipe Wrench 250mm lg, 250 & 400mm Lg Screw Driver, 300mm lg 38mm dia tube.	Allen Keys, Spanner, Engineers Pliers, Tweezers, Knife, Torch, Hooks and Steel Wire, , Tape, String, Rubber Hammer, Universal Lock key, Screw Driver, Pipe Wrench, Plastic/ Wood Wedges, Compass saw, Pad Saw, Hacksaw, Steel extension Tube	3 min	3 min	15 min	15 min	Determined attack . with some preparation and a number of tools. Willing to make some but not prolonged noise.
	3	3	Crow Bar 700mm lg, 7.2VDC Battery Drill, Hacksaw, 1.2kg Hammer, Pad Saw, 1.5kg Axe, Blow Torch, Brick & Bolster Chisel. Scissor jack 750 kg.	Above + Crowbar, Locksmiths Hammer, Hand Drill and Drill Bits, Cylinder Pin Punches	5 min	5 min	20 min	20 min	Deliberate forced entry of a well protected domestic residence or commercial property using a wide choice of tools with little regard for noise.
	4	4	"A-tool" lock puller, 500mm lg Bolt Cutters, 12vdc Disc Grinder, Drill & Jig Saw, 850mm Lg Felling Axe, General Saw, 50mm Hole Saw, 760mm lg Holigan Bar, Plate Shears, Sledge Hammer 750mm lg	Above + Wood Chisel, Plate Shears, Axe, Bolt Cutter, Cordless Drill and Drill Bits, Club Hammer, Cold Chisel	10 min	10 min	30 min	30 min	Experienced attempts at forced entry of commercial premises with no regards of noise.