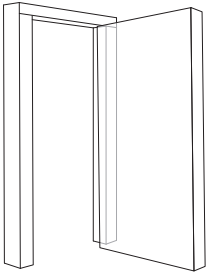


specification for
e80s hinged front doors

(LPS1175 SR2 security certificates)



Frame sizes (single doorset)

	Width mm	Height mm
Standard frame size	1200	2400

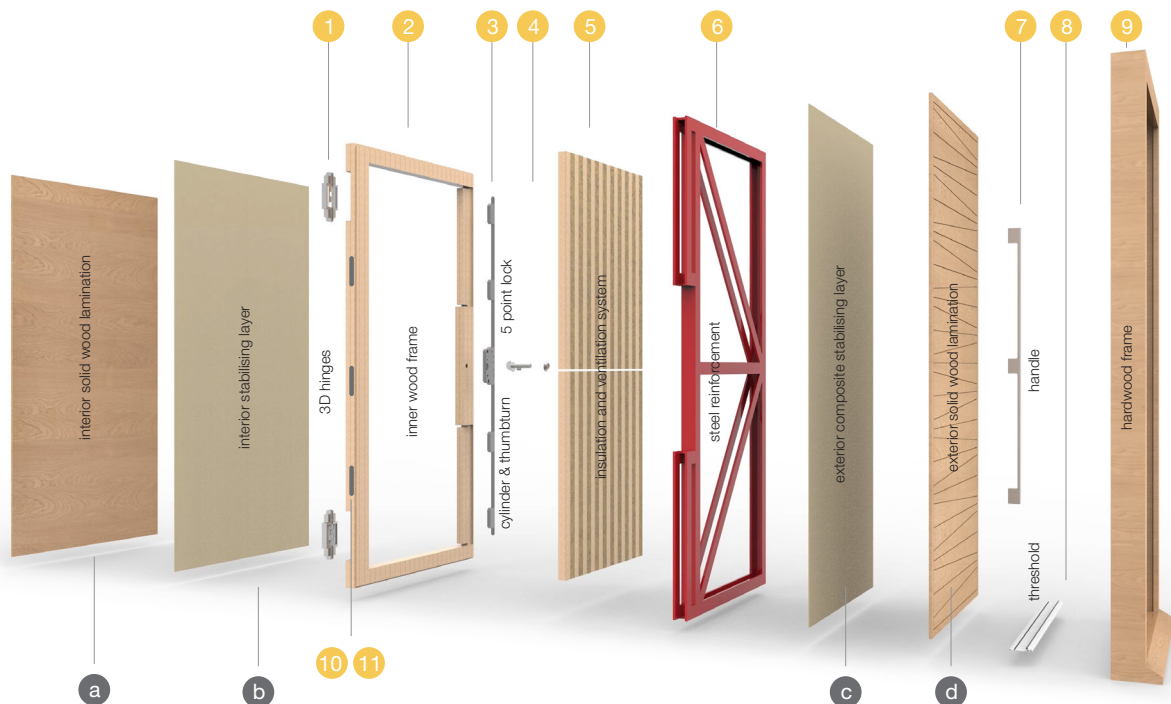
Door values

Total door thickness	80mm
Door leaf calculated insulation	1.112W/m²k
Sound insulation	32db
Eco Wood Fibre insulation	290 Kg/m³

Door structure

1	3d hinges	✓	a	Interior solid wood lamination layer	6mm
2	Inner wood frame	✓	b	Interior composite stabilising layer	10mm
3	5 point lock (see page 3 for all locking options)	✓	c	Exterior composite stabilising layer	10mm
4	Thumbturn cylinder	✓	d	Exterior solid wood lamination layer	6mm
5	Eco Wood Fibre insulation / Ventilation system	✓	Door finish options*		
6	Double steel reinforcement	✓		Sealing / protective	Unfinished
7	Handle (pull & lever styles available)	✓	Hardwood	Oil Lacquer	N/A
8	Mobility threshold (Part M)	✓			
9	Hardwood frame (see next page for details)	✓	Metallic	Beeswax Lacquer	Oxidises Weathers naturally
10	Hinge reinforcement plates	✓			
11	Hinge extra security bolts	✓			

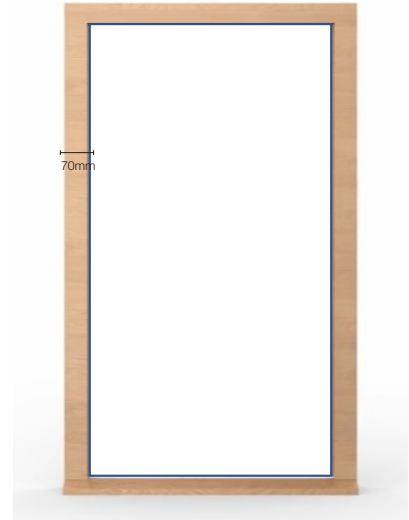
(diag. 1)



*Maintenance frequency varies depending on finish and exposure (page 4). RAL painted doors do not require an additional protective finish

Frame structure

Solid wood laminated frame (mm)	70w x 115d
Double rebated frame	✓
Double acoustic weatherseals withstanding temperatures	-30c - +70c
Matching solid wood cill	✓
Slimline threshold compliant with Part M building regulations	✓



LPS1175 SR2 high security glass specifications (Clear & Opal)

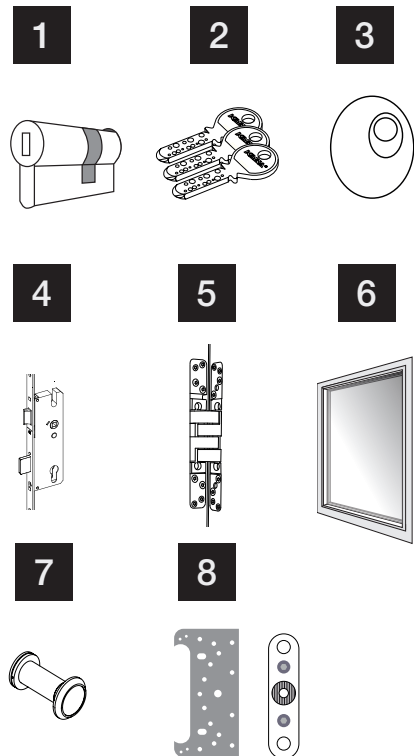
- (1) LPS1270 1.2.3, Clear, 1.1
 - a. TSG SC14 [4mm Tough.8mm PC] / 16mm Argon / 4mm Climaguard 1.0 Tough
- (2) LPS1270 1.2.3, Translucent, 1.1
 - a. TSG SC14 Opal [4.4mm Opal Laminate.8PC] / 16mm Argon / 4mm Climaguard 1.0 Tough



security glass testing

Security & Hardware

1	High security cylinder	✓
2	Security keys*	3
3	Security escutcheon	✓
4	Security multipoint lock: <ul style="list-style-type: none"> - tested to ENV 1627-1630 - resistance class 4 - fire tested to EI30 	✓ ✓ ✓
5	Reinforced, multiaxial 3D concealed hinges <ul style="list-style-type: none"> - tested to EN1935:2002 - maximum weight - maximum horizontal stress 	2 per door 180kg 360N
6	Security anti-bandit glass <ul style="list-style-type: none"> - double glazed with toughened planitex glass - argon filled - Uvalue on glass pane (if applicable) 	26mm ✓ ✓ 1.1
7	Door viewer (OPTIONAL EXTRA)	✓
8	Hinge reinforcement plates & extra security bolts	✓



*Extra security keys available

high security locking & door closing options

All our locking options are highly secure. Learn the differences in practical use below.

INCLUDED

Multi-point lock + thumbturn

Our 5-point lock requires locking with the key when you leave the house.

From the inside: as a minimum the door is always locked on the latch when it is shut, turn the thumbturn to fully secure the door and double lock it (and unlock the door again)

From the outside: when the door is shut, use the key to lock the door (and unlock the door again).

(OPTIONAL EXTRA)

Self-locking multi-point lock + thumbturn (mechanical, no wiring required)

For added peace of mind, the 3-point self-locking option means you don't have to worry about locking your door with the key when you leave the house.

From the inside & outside: when the door is shut, the multi-point lock is automatically engaged and locks the door.

You do not need to use the key from the outside to lock the door.

You do need the key to unlock from the outside.



PLEASE NOTE: ALL OPTIONS BELOW ARE SUPPLIED FITTED ONLY. A PROFESSIONAL ELECTRICIAN IS REQUIRED ONSITE FOR FINAL WIRING.

(OPTIONAL EXTRA)

Motorised self-locking & fingerprint entry (or other automatic/electrical entry system) + thumbturn

Choose this option where self-locking and no keys are preferred. This locking system acts the same as self-locking but allows integration with additional electrical/keyless opening systems.

Motorised self-locking:

From the inside & outside: when the door is shut, the lock is automatically engaged and locks the door.

The lock is designed to stay locked in case of a power cut.

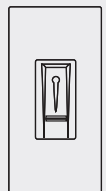
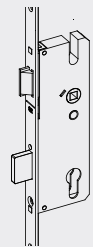
You will still receive keys in case a manual override is required.

Fingerprint entry system:

Register up to 99 fingerprint sets to unlock the door from the outside without a key. This can be integrated with motorised locking.

Other 3rd party entry systems (not supplied):

These can be used in conjunction with fingerprint entry or on their own. They will also require the motorised locking option.



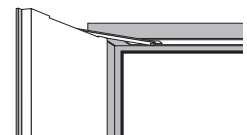
(OPTIONAL EXTRA)

Door closing: concealed hinged soft-closing system

Highly recommended where hinged doors are being fitted into glass (curtain walling).

This option prevents the door from slamming shut (reducing possible and repeated impact on the glass) and allows the door to close gently on its own.

The concealed hinged door closer will not let the door stay open. A door stop or wedge would be needed if required.



about exposure and choosing the right front door

The beauty of **real natural hardwood** is in both its aesthetics & properties, in the long-run it will outperform any man-made equivalent. We offer a wide range of choices to allow you to create the perfect door bespoke to your needs. The amount of exposure (weather impact) your door will receive affects our recommendations for certain combinations. Use the table + key below to learn more.

We recommend all our doors are fully protected by a substantial porch or canopy & planning this protection early will give you more choice and flexibility.

KEY

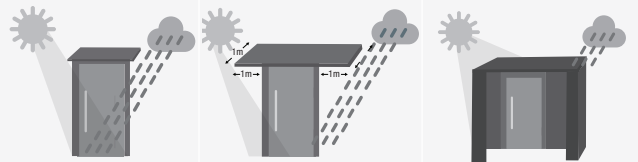
- This door combination is suitable & reflects the expected average maintenance frequency
- This door combination may need a higher level of maintenance. Darker woods in particular may see minor changes in colour and/or hairline splits may develop over time.
- This door combination is not recommended. These combinations may incur more noticeable changes in colour, hairline splits & require high maintenance levels.

High exposure
(fully open to the elements and/or coastal locations)

Semi-exposed
(protected by canopy/ porch min. size half the door height on all sides)

Protected
(fully setback or protected all sides by a porch/canopy)

Pick one choice from each of A,B,C to make up your basic specifications & see how suitable the combinations are for your door location



		High exposure	Semi-exposed	Protected	
A	Door opening	Hinged			
B	Door material	Lighter wood (oak, iroko, cedar)			
		Dark wood (walnut)	*	*	
		Dark wood (fumed oak)	*	*	
		Dark stain (ebony, walnut etc.)	*	*	
		Painted			
		'Bronze	*		
C	Door structure (placement in frame)	Recessed (door set back in frame)			

¹if these options are selected, maintenance may be significantly increased

Door finish (average maintenance frequency shown in table)	Oiled	3m-1year	6m-1year	Once a year
Lacquered	1-5 years	2-5 years	3-10 years	

¹Bronze doors are finished with beeswax, lacquer or left unfinished. Maintenance required as needed – contact us for more details.

Please note: urban front doors are supply only