

Specification Guideline



FLUSH DOORS

To assist with the specification of doors and doorsets, the following is intended for guidance in compiling an NBS type specification.

Where a particular performance requirement, such as FD30 or Rw33dB, is identified, appropriate perimeter seals and glazing systems – as tested, will automatically be included. There is no need to identify them separately.

L20.230	INTERNAL DOORSETS
MANUFACTURER	• Scotts of Thrapston
PERFORMANCE	• FD30S,FD60S etc, Rw33dB etc..
DOOR LEAF	
CORE:	• particleboard • laminated timber
FACINGS:	• high density particleboard (for paint finish) • plywood (for paint finish) • laminate (manufacturer & reference) • veneer (species; crown or 1/4 cut)
LIPPINGS:	• 10mm to all edges; veneered over (species) • 10mm to all edges; exposed (species)
GLAZING:	• bolection beads (species) • flush 'quirk' beads (species) • glass (type) • aperture (size and position)
FINISH:	• primed • fully finished (RAL or BS colour reference) • two coats acid catalyst lacquer
DOOR FRAME	
FRAME:	• section
ARCHITRAVE:	• section • hardwood (species) • softwood (or MDF) • class (to BS EN 942) • moisture content on delivery 8 – 12%
FINISH:	• primed • sealed
IRONMONGERY	
HINGES:	• Hi-Load 101 lift-off (finish BZP, BSS etc.) • free-issue
LOCK:	• mortice only, free-issue

PANELLED DOORS

The wide variety of types and styles of panelled door available, means that accurate specification is essential. In the case of panelled doors particularly, an elevation of the required door style is often necessary. The following guide is intended to assist with the specification of panelled doors, to ensure that your requirement is correctly interpreted, for both pricing and manufacturing purposes.

USE:	• internal • external
FIRE RATING:	• FD30 • none
STYLE:	• no. of panels
PANELS:	• flat • raised and fielded • glazed
GLASS:	• type of glass
FRAMING MOULDS:	• ovolo • stepped ovolo • square • other
BED MOULDS:	• ovolo • stepped ovolo • ogee • other
BEADING:	• half-round • ogee
PANEL MOULDS:	• astragal • half-round • ogee • other
TIMBER:	• softwood (for paint finish) • hardwood (for paint finish) • species of hardwood (for clear, or stained finish)
FINISH:	• primed • sealed • fully finished
FRAME:	• see details for flush doors left
IRONMONGERY:	• see details for flush doors left

	THICKNESS	APPROX. WEIGHT	FD30	FD60	INT	EXT	COLD SMOKE CONTROL	ACOUSTIC	MECHANICAL STRENGTH
DOOR TYPE	mm	Kgm ⁻²					BS 476 pt 31.1 (3m ³ /m/h at 25 Pa)	BS EN ISO 717-1 :1997	BS DD171
Particleboard	44	28.6	✓	–	✓	–	✓	Rw34dB	Severe Duty
	54	35	✓	✓	✓	–	✓	Rw34dB	Severe Duty
Laminated Timber	44	22	✓	–	✓	✓	✓	Rw30dB	Severe Duty
	54	35	✓	✓	✓	✓	✓	Rw33dB	Severe Duty
Softwood Panelled	44	20	✓	–	✓	–	✓		
Hardwood Panelled	44	26	✓	–	✓	–	✓		
	51	31	✓	–	✓	✓	✓		
X-Ray	48	50	–	–	✓	–	✓	Rw38dB (estimated)	
Special	54	40	✓	✓	✓	✓	✓		
	62	45	✓	✓	✓	✓	✓	Rw38dB (estimated)	