

Security doors (PAS 24)

Shadbolt can supply fully tested internal security doors which are suitable for use (for example) as entrance doors to apartments within a residential building (not for external use).

- These doors have successfully completed a full programme of independent testing to BS PAS 24 and PAS 23-1 and achieved a Pass in all aspects.
- The doors can be used to meet the security requirements of Building Regulations Approved Document Q *Security – Dwellings: Requirement Q1: Unauthorised access*.
- They can also be supplied with up to 60 minutes fire resistance and with acoustic performance.
- Available as doors and frames or as pre-hung doorsets.
- Can be matched to other doors in a scheme.
- Concealed hinges, validated to PAS 24 by test, can be supplied.
- Can be supplied with PVC laminate facings for greater impact resistance.
- Construction is generally similar to Shadcore doors and doorsets.
- Doors achieve high levels of mechanical performance, strength and dimensional stability.

Door construction

High density solid chipboard core giving consistent performance and durability without subfacings or internal framing. Doors and doorsets are purpose-made, with considerable freedom to choose frame and edge details and ironmongery

Door frames are also purpose-made; design, profiles and dimensions can be varied to suit specifiers' requirements (subject to any performance limitations).

Shadbolt can also supply assembled and braced subframes with all doors if required.

Ironmongery

Shadbolt security doors can be supplied with essential ironmongery which is supported by relevant test evidence to meet the security requirements of PAS 24: 2012 or other acceptable standards under Building Regulations Part Q.

See our website or contact Shadbolt technical department for more information.

Sizes

Doors and doorsets are purpose-made to sizes required. Sizes are validated by independent testing as providing the performance stated. For more information please contact our technical department.



Appearance

Doors can be fully finished in controlled conditions in our works to ensure high quality. A matched and co-ordinated appearance can generally be achieved for all doors in a building. Finishes include:

Wood veneers with various factory-applied finishes including semi-matt lacquer, Specula high-gloss clear polyester finish, Paintmaster enamel satin lacquer finish in any BS or RAL colour.

Patina high-gloss sprayed polyester lacquer finish or Signal semi-matt sprayed polyurethane lacquer finish, both available in any BS, RAL or Dulux Colour Dimensions colour.

Laminates: any colours or patterns of plastic laminate from major UK suppliers.

High impact PVC laminate facings.

For more information see Finishes and Substrates on our website.



Security

Shadbolt internal security doors have successfully completed a full programme of testing to PAS 23 for general performance and PAS 24 for enhanced security, and achieved a Pass in all aspects, as certified by Exova (UK) Ltd, a UKAS accredited certification body.

Tests were carried out on normally installed and operable doors of standard construction.

The doors can be used to meet the security requirements of Building Regulations as set out in Approved Document Q *Security – Dwellings*: *Requirement Q1: Unauthorised access* by virtue of this testing. For Shadbolt doors the relevant application is where an easily accessible door gives access into a flat from the common parts of a building.

Additional requirements may apply for the size and design of letter plates if fitted, provision of a door viewer and a door chain, door limiter or a suitable entry system where, for example, warden emergency access may be needed.

Fire resistance

Doors have been tested to BS 476: Part 22 in a wide range of configurations and sizes, and can provide 30 minutes or 60 minutes fire resistance (FD30 or FD60). Fire performance is assured by ongoing independent third party certification by Exova Warringtonfire or an equivalent approved scheme.

Authoritative assessments can be provided for variations from a tested door design.

Where required, doors can be fitted with seals to resist the passage of smoke at ambient temperature.

Acoustic performance

Security doors can be fitted with suitable acoustic seals to achieve significant sound reduction. For more information see our Acoustic doors brochure or website.

Durability

The doors can achieve a Severe duty classification, the highest possible, to EN 1192 and EN 1191.

This enables the doors to be used in the most demanding applications where they are likely to be subjected to frequent use and abuse.

Specification: NBS plus

Shadbolt products are now listed within NBS Plus, part of the NBS industry standard specification software used by architects and other construction industry professionals.

NBS specification clauses for Shadbolt products have been compiled in collaboration with RIBA Enterprises. These clauses are intended to enable the specifier to clearly identify which Shadbolt product solution is the most suitable for a given application.

Installation and maintenance

Correct installation of a door is fundamental to its performance, and it is strongly recommended that doors are installed by an accredited installer. Shadbolt can supply instructions for fitting security doors.

Regular inspection and maintenance are essential to ensure that doors retain their design performance throughout their life. For more information please contact our technical department.