



SECURED by DESIGN

Upgraded construction and hardware
for increased safety, protection
and peace-of-mind

Secured by Design



Official Police Security Initiative

 **Platinum**[®]
NRG



01 HINGES

Certified and tested against attack from hammers, pry bars and shoulder-charging



02 03 LOCK MECHANISM AND KEEPS

5-hook, 4-roller locking mechanism (single) or 3-hook, 4-roller with additional shoot-bolts (double doors)



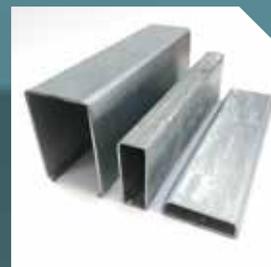
04 05 LOCK CYLINDER

ATK 3-STAR* rated cylinder or AVOCET 1-STAR** rated cylinder



06 DOOR HANDLE

Security handles are distinguished by a circular hole which shields the euro-cylinder behind.

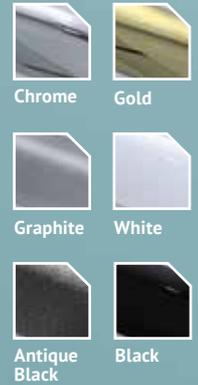


07 SCREW RETENTION

Jamb reinforcement using PVCu flat-bar screw retention

10 REINFORCEMENT

Steel reinforcement for vertical jambs and stiles in frame and sash



11 LETTERPLATE

Security letterplate prevents reach to handle or cylinder by an intruder



01 AVAILABLE FULLY-GLAZED, PART-GLAZED (with solid infill panel) OR WITH FULL PANEL

08 GLASS
28mm double-glazed unit must include at least 1 pane of laminated glass

09 SOLID INFILL PANEL
PVCu-skinned panel uses Finsa MDF solid core interlayer.

07 Security 'SnapLOK' clips used for glass and panel options

SINGLE LEAF

DOUBLE LEAF (FRENCH DOOR)

*ATK 3-STAR cylinder can be used with our standard door handle to achieve Secured by Design, **Avocet 1-STAR cylinder must be used with our security door handle to achieve Secured by Design



KEY-LOCKABLE HANDLE 12

A choice of stylish handles in a variety of colours can be specified.



ROLLER LOCK AND KEEP 13 14

Expands and contracts to locate into their keeps and dual slots allow for a night-vent position.



ANTI-JEMMY HINGE GUARD 15

Hook and claw hinge guard prevents a jimmy bar being used on the hinged side of the sash

PVCu WINDOWS

INCLUDING SLIMSASH, CHAMFERED AND SCULPTURED SYSTEMS



20 GLASS

28mm double-glazed or 36mm triple-glazed unit must include at least 1 pane of laminated glass if adjacent to a door set or if non-locking hardware has been specified



SHOOTBOLTS 16

Incorporated at each end for increased security.



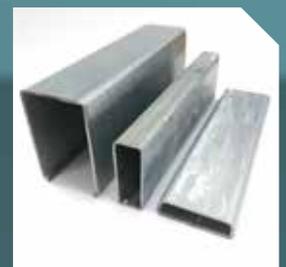
LOW-LINE GLAZING BEAD 17

Low-line glazing bead with low-profile gaskets for improved security and greater sightlines.



SCREW RETENTION 18

Jamb reinforcement using PVCu flat-bar screw retention



REINFORCEMENT 19

Steel reinforcement for vertical jambs in frame

PVCu DOORS

INCLUDING SINGLE AND DOUBLE LEAF DOORS

PERFORMANCE

	PVCu CASEMENT WINDOWS	PVCu RESIDENTIAL DOOR	PVCu FRENCH WINDOWS	PVCu FRENCH DOORS	PVCu TILT & TURN WINDOWS	SOLID-CORE COMPOSITE DOORS
PAS24:2016	YES	YES	YES	YES	YES	YES
BS7412:2007	YES	YES	YES	YES	YES	n/a
BS6375 - 1:2009	1200 Pa*	800U Pa*	800 Pa*	800U & 1200 Pa*	1200 Pa*	800X Pa*

PAS24:2016 Enhanced Security Performance

Enhanced security performance requirements for doorsets and windows in the UK. Doorsets and windows intended to offer a level of security suitable for dwellings and other buildings exposed to comparable risk.

BS7412:2007 Specification for PVCu Windows and Doors

Every component used within the window set tested, must comply to the relevant British Standard for that component before they can be put forward for testing to BS 7412.

BS6375 - 1:2009 Weather Rating

Specifies the exposure categories related to test pressure levels for air permeability, water-tightness and wind resistance for external windows and doorsets.

* Measured in Pascals. This is the **resistance to wind load** on the door or window. For instance, 800 Pa is the equivalent of 0.11 pounds-force per square inch. The higher the number the more resistant it is to wind. Exposure Category 800U also achieves an A2 wind class whilst 800X achieves air permeability Class 2 and water-tightness Class 2A. Exposure Category 800 increases water-tightness to Class 3A whilst 1200 increases wind resistance to Class A3.

For a detailed specification of our current accreditations, please contact us for the full Scope of Certification from **EXOVA BM TRADA**.

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