

Annex A Security hardware and cylinder test assessment

Manual attack on the locking hardware with small tools plus crowbar, and molegrips, plus additional attack using self-cutting traction screws. Two attempts to defeat the locking mechanism for 3 minutes. Strong hardware that protects the cylinder is required, or a cylinder that is resistant to this type of attack. Cylinder must also meet the requirements of the cylinder vulnerability assessment (anti-bumping) and EN1303 for key related security and anti-drilling.

Annex B

B.4.3 Manipulation Test

Small tools such as paint scrapers, craft knife and small screwdrivers are used with a maximum attack time of 3 minutes. There is no limit on the number of 3 minute attacks that can be carried out, but a different tool or attack location must be assessed with each separate attack.

B.4.4 Glazing removal and infill test.

Manual attack test during which chisels and brick bolsters are used to remove the glazing or infill panel for 3 minutes. Attempts are made to remove the infill but smashing glass is not allowed. Mechanical test which comprises a 2kN push on the corners of the glass or infill panel, to be held for 10 seconds. Cutting test using tools including chisels and a craft knife to cut through the material of the door leaf for 3 minutes without entry being achieved.

B.4.5 & B.4.7 Mechanical loading test

Mechanical loads are applied to all locking and hinge points as well as any other devices intended to provide security. 4.5kN applied via a pneumatic ram in the opening direction and 1.5kN in the parallel direction, all loads should be held for 10 seconds without entry being achieved.

B.4.6 Manual check test

Crowbars and screwdrivers are used in an attempt to lever open the door leaf for 3 minutes. There is no limit on the number of attacks that can be carried out, but a different tool or location must be assessed each time, with a maximum overall test time of 15 minutes.

B.4.8 Soft body impact test

Impacts are applied on each leaf and glazing with a 30kg sandbag. 3 impacts at each location 800mm, 1250mm and 1700mm from floor level, or in the centre of a glazed infill and midrail.

B.4.9 Hard body impact test

Impacts are applied to the door leaf and any non-glass infill with a 50kg steel impactor, at corners, hinges and locking points as well as any other devices intended to provide security. 3 impacts at each location.

Classification

Doorsets will be classified as either PAS24 DK for key-key operated doorsets, or PAS24 DKT for key-thumbturn operated doorsets.



Additional Enhanced Security & General Requirements

Glazed doorsets must also include at least one pane of laminated glass meeting with requirements of BS EN 356:2000 P1A, all letterplates must be tested in accordance with BS EN 13724:2002.

Doorsets must also be classified according to their intended use for all relevant characteristics in accordance with BS6375-1 (weather performance) BS6375-2 (operation and strength performance) and the relevant material specific standard.