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Agrément Certificate
07/4476 (E2)

ENHANCED SECURITY FOR PRODUCT SHEET 2**NORDAN TIMBER SLIDING PATIO DOOR SYSTEM**

This Enhanced Security sheet is not valid in isolation and must be read in conjunction with Product Sheet 2 of this Certificate. The information in this sheet supplements the details given in Product Sheet 1, section 9 *Unauthorised access*.

- The details in this sheet are only relevant to timber sliding patio doors supplied by NorDan UK Ltd and meeting the specification defined in section 2 Scope of approval.
- It is essential that the doorsets are installed in accordance with the recommendations contained in Product Sheet 2 and in the manufacturer's instructions, to achieve the standard of enhanced security defined in this sheet.

**1 General**

Selected doors from the NorDan Timber Sliding Patio Door System covered by Product Sheet 2 were tested to PAS 24 : 2012 *Enhanced security performance requirements for doorsets and windows in the UK – External doorsets and windows intended to offer a level of security suitable for dwellings and other buildings exposed to comparable risk*, and met the requirements.

2 Scope of approval

2.1 The specification for the patio doors considered to offer enhanced security comprises doors with 44 mm triple-glazed units, all fabricated from components as listed in Table 1, and in accordance with the recommendations contained in the *NorDan Technical Reference Manual*. See also Figure 1.

2.2 The scope of the test programme does not cover glass breakage as a means of entry. In locations where this is considered to be a significant risk, the use of laminated glass or other suitable glazing material may be necessary or required by Secured by Design (SBD) schemes.

3 Design features

Externally fitted aluminium glazing beads can be removed by manipulation but the subsequent removal of the glass without breakage and noise is extremely difficult due to the glazing being additionally secured by polyurethane adhesive sealant.

4 Design considerations

4.1 Only the specification of doors referred to in Table 1 can be considered to meet the requirements. Any design variations to the frame profiles, locking mechanisms, handles, keeps, striker plates, rollers or associated fasteners will require the door to be retested.

4.2 To ensure the level of resistance to intrusion indicated by the tests is achieved, installation must be carried out in accordance with the recommendations contained in Product Sheet 2 and the manufacturer's instructions. For example, correct glass packing and fixing of the door into the opening are critical.

4.3 Doors assessed for enhanced security are designed to resist attempts to forced entry by the opportunist intruder using basic hand tools. However, the scope of assessment does not extend to an assurance of absolute security. In addition, door security must be considered in the context of the overall security of the building, taking into account such factors as vulnerability of individual doors and the security of windows.

The BBA has awarded this Agrément Certificate for Enhanced Security to the company named above for the door system detailed herein, provided it is installed, used and maintained as set out in this Certificate.

On behalf of the British Board of Agrément

John Albon — Head of Approvals
Construction Products

Claire Curtis-Thomas
Chief Executive

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The BBA is a UKAS accredited certification body — Number 113. The schedule of the current scope of accreditation for product certification is available in pdf format via the UKAS link on the BBA website at www.bbaceris.co.uk

Readers are advised to check the validity and latest issue number of this Agrément Certificate by either referring to the BBA website or contacting the BBA direct.



Table 1 Two pane timber sliding patio door – list of components

Application	Manufacturer's designation ⁽¹⁾
Door lock	0402054 to 0402059 0402060
Keeps	Strike Plates 0402038,0402039
Handle with steel plate – white – silver – gold	Hoppe handle 0402086, 0402096, 0402085, 0402084 0402091, 0402097, 0402090, 0402089 0402081, 0402098, 0402093, 0402095
Cylinder (blanking plate/key) (key/key)	Trioving 2-part cylinder 0401692, 0401693, 0401734, 0401735, 0402154 and 0402153 0402227 and 0402226
Mullion lock – with restrictor button	0400496, 0400497, 0400486 0400483, 0400724
Mullion lock keep	0400359
Rollers	0402068, 0402061 (RH housing) 0402063 (RH roller bearing) 0402069, 0402062 (LH housing) 0402064 (LH roller bearing)

(1) These items may be unmarked and it is recommended that, if in doubt, the purchaser seeks written assurance of the component specifications from the Certificate holder.

Figure 1 Corner detail

