



Blankfort™ Security Doorblanks

Description

Blankfort™ Security is a high performance, laminated, timber-cored, plywood-faced doorblank product specifically designed to provide resistance to hard body impacts (e.g., sledgehammers, etc.) and perfectly suited for use in environments where the product is likely to be subjected to regular abuse, reduced care and frequent passage.

It has a facing of high quality, close-grained, exterior grade birch-faced plywood that is ideal for painting, staining or laminating.

Blankfort™ Security has a unique **three-layer** laminated timber core that provides exceptional resistance to impact and attack and also offers high levels of stability in normal use.

It offers a minimum of 30 minutes fire resistance when lipped all round with hardwood and hung in a suitable hardwood frame fitted with intumescent seals.

Construction

The core of **Blankfort™ Security** is constructed from 3mm thick rotary-cut aspen veneers bonded together using exterior grade phenol formaldehyde (PF) structural adhesive.

The three core layers are bonded together using exterior grade Type 1 PVA adhesive, giving an overall nominal thickness of 39mm

The faces are rotary-cut, premium grade, natural birch-faced plywood with centre and backing aspen veneers bonded together using exterior grade Type 1 urea formaldehyde (UF) adhesive, and with an overall nominal face thickness of 3mm.

The plywood faces are bonded to the core using exterior grade Type 1 PVA adhesive and the faces are fine sanded to provide a smooth finish suitable for painting, staining, varnishing or laminating. **Blankfort™ Security** doorblanks are nominally 45mm thick: other thicknesses are available to special order.

Fire Resistance Performance

Blankfort™ Security has been fire resistance tested to BS 476: Part 22: 1987 at Chiltern International Fire Limited and has achieved 42 minutes Integrity and Insulation (Test report RF96099).

Tested in leaf size of 2155mm x 935mm, **Blankfort™ Security** is approved for use in latched single-acting single door configurations.

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Size & Packing

Blankfort™ Security doorblanks are available in the following standard size packed as indicated:

- 915mm x 2135mm x 45mm 20 pcs/plt
Other sizes and thicknesses are available to special order
- Ex mill tolerance: ± 1mm on thickness
- Ex mill tolerance: ± 2mm on dimensions
- Ex mill moisture content: 11% ± 3%

Further Production

Blankfort™ Security doorblanks can be cut and machined with standard woodworking tools.

The absence of internal framing members means that **Blankfort™ Security** doorblanks can be cut in length or width with no adverse effect on structural performance or fire resistance.

Hardwood lippings should be applied to vertical edges for internal use and should be applied to all edges if used in areas of high humidity or for exterior applications.

When using **Blankfort™ Security** for fire resisting doors, lippings should be applied to all edges. Adhesives specifications should be selected to suit intended applications: PVA adhesives are satisfactory for internal applications, but for fire resisting door applications, areas of high humidity or exterior applications, the adhesive specification should be upgraded to Type 1 PVA, urea formaldehyde (UF) or phenol formaldehyde (PF).

Surfaces of **Blankfort™ Security** doorblanks can be finished using standard proprietary paints, stains or varnishes.

Laminating onto the surface of **Blankfort™ Security** doorblanks can be undertaken using standard PVA, UF, or PF adhesives in accordance with the manufacturers recommendations, and without invalidating fire performance.

Intumescent Seals

Lorient Polyproducts LP2004 intumescent seals are required on the jambs and heads, fitted to either the frame or the door edges.

1mm Lorient Interdens intumescent gaskets should be fitted under hinge blades, strike plates, and within lock/latch mortises.

Door Frames

For fire resistance, frames should be hardwood with a minimum density of 650 Kg/m³ and a minimum section size of 90mm x 40mm plus a 15mm planted or rebated stop.

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Storage

Blankfort™ Security doorblanks should be stored flat on at least three equally spaced bearers in a dry and controlled environment similar in ambient conditions to that intended for further production.

Options available

- Special sizes and thicknesses
- FSC and UFF components
- Urea-formaldehyde free
- Pre-lipped Blank
- Pre-veneered blank
- Cut-to-size blank

Manufacturer

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