



**BLANKFORT™**  
VERSATILE FIRE-RESISTANT DOOR BLANK

## Blankfort™ Security “E” Doorblanks

### **Description**

**Blankfort™ Security “E”** is a high performance, laminated, timber-cored, plywood-faced doorblank product specifically designed to provide resistance to hard body impact (e.g., sledgehammers, etc.) and perfectly suited for use in environments where the product is likely to be regularly 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 “E”** has a unique **single-layer** laminated timber core that provides resistance to impact and attack.

It has been fire tested and is approved for use as a 30 minutes fire resisting door when lipped all round with hardwood and hung in a suitable hardwood frame fitted with intumescent strips.

### **Construction**

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

The core layers are bonded together using exterior grade Type 1 PVA adhesive, giving an overall nominal thickness of 38mm, and incorporate a top core rail turned about at 90 degrees to the vertical core.

The faces are rotary-cut, birch-faced plywood bonded with exterior grade adhesive giving 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 “E”** doorblanks are nominally 45mm thick: other thicknesses are available to special order.

### **Fire Resistance Performance**

**Blankfort™ Security “E”** has been successfully fire resistance tested to BS 476: Part 22: 1987 at Chiltern International Fire Limited (Test reports RF96099 and RF03109, revision A).

**Blankfort™ Security “E”** is suitable for use in FD30(S) latched single-acting single door configurations, with or without glazing.

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## ***Mechanical & Security Performance***

**Blankfort™ Security “E”** has been successfully tested to PAS 23-1: 1999 (excluding weather tightness) and PAS 24-1: 1999

## ***Size & Packing***

**Blankfort™ Security “E”** doorblanks are available in the following size packed as indicated:

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

## ***Further Production***

**Blankfort™ Security “E”** doorblanks can be cut and machined with standard woodworking tools.

Hardwood lippings should be applied to vertical edges for internal use and to all edges if used in areas of high humidity or in exterior applications. When using **Blankfort™ Security “E”** for fire resisting doors, hardwood lippings (min. density 640 kg/m<sup>3</sup>) 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).

**Blankfort™ Security “E”** doorblanks can be finished using proprietary paints, stains or varnishes.

Laminating onto **Blankfort™ Security “E”** doorblanks can be undertaken using PVA, UF or PF adhesives.

**Blankfort™ Security “E”** doorblanks can be cut in length and/or in width with no adverse effect on structural performance. Simply ensure that the top rail is maintained when adjusting the length.

## ***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 640 Kg/m<sup>3</sup> and a minimum section size of 90mm x 40mm, plus a 15mm planted or rebated stop

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## **Storage**

Blankfort™ Security “E” 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**

### **Blankfort Inc.**

15 Boul. Chartier

St-Ephrem, QC

Canada GOM 1R0

Tel.: + 418-484-6980

info@blankfort.net

www.blankfortuk.com

## **UK Agent & Technical Support**

### **Williamson Associates**

2 Old Hall Drive

Dersingham

Norfolk

PE 31 6JT

**Tel.: +44 1485 540349**

Fax: +44 1485 543141

**bob@blankfort.co.uk**