

Flamebreak door blanks are manufactured with a unique tri-laminated hardwood timber core which has continuous edge gluing, making them extremely stable and eliminating any core gaps, rippling or telegraphing.

The core provides an excellent substrate for easy machining and door blank conversion. Supplied with MDF or plywood faces, Flamebreak can be supplied lipped or unlipped and can be laminated, painted or veneered. A range of Flamebreak door blanks can now be offered with FSC certification.

- Lightweight door blanks with a solid timber tri-laminated core
- FD30 and FD60, single and double acting Comprehensive fire test evidence and certification
- Sound insulation upto 36dB in various configurations
- Thermal conductivity test evidence to 1.2 (44mm) and 1.0 (54mm) W/Km²
- Mechanical Test evidence including results greater than "severe duty" for DD 171 and BSEN 1192
- SBD Pas23/Pas24
- Available FSC® certified
- Q Mark
- BWF Certifire



Dimensionally stable and eliminate core gaps, rippling and telegraphing

CAN.

Manufactured with a special three layer tri-laminated hardwood timber core

Continuous edge gluing

can be supplied lipped or unlipped

MDF or Plywood faces





HALSPAN

High Performance Door Blanks

Halspan is one of the world's leading suppliers of quality door components, catering for customers in education, healthcare, hospitality, commercial, residential, retail and government sectors.

The Halspan particleboard door blank range consists of: **Optima**, **Prima** and **Prima Plus**. These products are all 3 layer particleboard door cores designed for the fabrication of interior solid core doors. They consist of a core of long grain wood chip to give it its screw holding properties and two deck layers of high density fine wood chips suitable for finishing with veneer, High Pressure laminate, PVC, or paint.

- **Optima** is an internal fire rated door at 30 and 60 minutes.
- Prima is an internal fire rated door at 30, 60, 90, 120 minutes and large leaves. Its extra strength allows machining into the face to form feature grooves or panel effect designs. Timber, and metal frames increase the design options.
- **Prima Plus**. New to the Halspan range offering a No Added Formaldehyde option, Fire rating, 30 and 60 minutes.
- Halspan door cores are PEFC or FSC certified and BM TRADA Q Marked















The Egger range of Fire Door Cores are highly engineered. 44 mm and 54mm particleboards.

Manufactured in the UK from a selected wood chip mix, the door cores form an integral component in a door's front line fire protection.

EGGER fire door cores are designed to provide a minimum of 30 and 60 minutes fire resistance EUBOSPAN® fire-rated door blanks have exceeded the minimum requirements set out in the BS476 Part 20/22: 1987 and have also been certified within the BM Trada scheme for Q-Mark Fire Doors

- Finishes Egger's fire door cores provide a high quality surface for veneering and laminating.
- Egger have over 100 designs in laminate (3050x1300mm) plus a select range in a size especially suited to doors: 2150x950x0.8mm (to suit door sizes 2060x840 and 2135x915mm)
- Multiple and single glazed apertures are covered by the assessment to a maximum area of upto 1.29m².
- EGGER EUROSPAN® door blanks are FSC® certified through HOLZCERT Austria HCA-COC-100017.



Additionally, and in accordance with DD171 and EN1192. Egger fire-rated door blanks attained the highest level of classification "Severe Duty", giving the user the confidence they are robust enough to be used in all environments, from apartments and offices to schools and hospitals.

Egger fire door cores comply to UK Building Regulation Approved Document E. having been successfully tested for acoustic performance.







Egger FD30 Decor is a brand new 44mm pre-finished decorative melamine-faced 30-minute fire door core designed to drive down costs, without compromising on quality.

Because FD30 Decor already has an attractive decorative facing, the time and expense associated with buying and fabricating a veneer, for example, is removed.

 Egger FD30 Decor is ideal for a wide range of domestic and commercial applications with a particular appeal in shop-fitting. If you're looking at a complete interior concept, vou can combine FD30 Decor door with furniture made from EGGER MFC in the same colour.

James Latham offer FD30 Decor in 10 44mm decors from stock (size 2135 x915mm).









U708 ST15

H3704 ST15 Tobacco Aida Walnut

H3012 ST22 Colo Bolo



U732 ST15

Dust Grev

H3090 ST22 Driftwood



H3058 ST22 Mali Wenge



H1334 ST15 Light Ferrara Oak



Natural Lancaster



Natural Tauern Reech





Information and samples can be obtained from James Latham Phone: 0116 257 3415 Email: marketing@lathams.co.uk or click on www.lathamtimber.co.uk

Oak





Component Partners>>>

NNORSOUND

Specialists in acoustic door seals, perimeter seals, automatic drop seals, threshold plates and finger protection

Norsound acoustic seals are designed and developed to help both specifier and end user comply to current building regulations such as; Approved Document E and Approved Document M. Our acoustic seals can be used on standard fire doors to give noise reductions in excess of those expressed in both Document E and Building Bulletin 93 (BB93).



NOR810 Automatic door-bottom seal shown insitu (NOR615 threshold plate - optional.)

Also available: NOR810s, NOR810dB+ and NOR810T

NOR810 Automatic door-bottom seal





NOR710 Perimeter Seal Self-adhesive option shown insitu

NOR720 Versatile, keft-fit, multi-purpose seal



	set type									
		glazing								
			blank t	thickness (mm)						
				perimeter seal(s)						
					meeting style	e seal(s)			SEALS	
						door-bottom seal				
							threshold pla	te		
								acoustic rating (dB		
HALSPAN	single	yes	44	NOR710	n/a	NOR810 Range	n/a	35		
HALSPAN	pair	yes	44	NOR710	NOR720 x 2no.	NOR810 Range	n/a	35		
EGGER	single	yes	44	NOR710	n/a	NOR810 Range	n/a	35		
EGGER	single	yes	54	NOR710	n/a	NOR810 Range	n/a	35		
FLAMEBREAK	single	yes	44	NOR710	n/a	NOR810 Range	n/a	34		
FLAMEBREAK	single	yes	54	NOR710	n/a	NOR810 Range	n/a	35		
FLAMEBREAK	single	yes	54	NOR710	n/a	NOR810 Range	n/a	34		
MORALT	single	yes	54	NOR710	n/a	NOR810 Range	n/a	36		
MORALT (Firesound)	single	yes	59	NOR710	n/a	NOR810 Range	n/a	42		



For more information on Norsound door seals contact: Norseal Limited on: **01661 831 311**, Free Fax: **0800 298 4868** email: **sales@norseal.co.uk** or click on: **www.norsound.co.uk**

Component Partners

We design and manufacture market-leading, high-performance door sealing systems.

Our intumescent seals are a vital part of a fire door assembly, helping to defend buildings against the spread of fire. Our smoke seals restrict smoke movement around a building giving people time to escape, and reducing property damage. Our acoustic door seals help to contain sound within a room, or prevent it entering. Many of our seals also improve the building's energy efficiency by keeping in heat. We also design our seals so the door can be used with minimal effort, helping those with reduced mobility.







LAS1212 Acoustic 8





IS4020 threshold plate



IS7025 si perimeter seal



IS8010 si automatic drop seal

Acoustic rating	Door	Door set type	Glazing (Y/N)	Door thickness mm	Head & jamb seal	Meeting stile seal	Threshold	
dB	m'facturer						Seal	Plate
35	Halspan	Single	Y	44	LP1504DS + LAS1212	n/a	IS8010 si	None
34	Halspan	Double	Y	54	LP1504 + LAS1212 + IS7025 si	2 x LP1504DS	IS8010 si	None
35	Egger	Single	Y	44	LP1504DS	n/a	IS8010 si	None
36	Egger	Single	Y	54	LP1504DS	n/a	IS8010 si	None
30	Flamebreak	Single	Ν	44	LAS1212	n/a	IS8010 si	None
33	Flamebreak	Single	Y	44	LP1504DS + LAS1212	n/a	IS8010 si	None
36	Flamebreak	Single	Y	54	LP1504DS + LAS1212	n/a	IS8010 si	None
42	Moralt	Double	Ν	59	2 x LP1504DS	2 x LP1504DS	2 x LAS1011 (6mm fin) + LP1504	IS4020



For more information on Lorient door seals contact Lorient Polyproducts Limited on; **01626 834252**, Fax; **01626 833166**, email: **salesenquiries@lorientuk.com** or click on: **www.lorientuk.com**



Moralt FireSmoke (MDF-faced) & FireSafe (Ply-faced) fire door blanks are BM TRADA Q marked, FSC® and PEFC certified and offer fire resistance to BS476 Part 22 as well as, in the case of FireSmoke 44mm, El30 to EN1634-1.

This European test evidence offers a number of attractive design elements, including finger-print electronic closers, rebated meeting stiles, concealed hinges, flush glazing, very large glazing side-and overpanels.

Moralt door blanks are "Made in Germany", manufactured with a solid timber laminated Spruce core (450kgm³) using a unique production process that makes them arguably the highest quality, most stable lightweight timber-core door blank in the market.

- Tested to DD171 BS EN1192 "Severe Duty"
- dB35/36 acoustic performance for 54mm flush doors
- Wide scope of larger vision- (2.5m²), over-and side-panels (4.0m²)
- FireSmoke maximum production press size is 5200 x 2070mm





Hollfire Doors, Barking







Your James Latham Door Champions:

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For all specification enquiries email doorspecification@lathams.co.uk

Fire Door Keep Shut



Glossary

- BS 476: Pt 22:1987 Details the specific requirements for the fire resistance testing non-loadbearing elements of a building's construction, such as doors, glazed screens and partitions
- BS 476: Pt 20 :1987 Sets out the general principles of fire resistance tests
- EN 1634 Pt 1:2000 European standard for fire resistance for door and shutter assemblies
- SBD: Secured By Design is a non-profit organisation owned by the Association of Chief Police Officers (ACPO) and is the title for a group of national police projects focusing on the design and security for new and refurbished homes as well as commercial premises
- PAS 24: 2012 Enhanced security performance requirements for doorsets and windows. External doorsets and windows intended to offer a level of security suitable for dwellings and other buildings exposed to comparable risk
- LPS 1175 (Loss Prevention Standard) Specification for testing and classifying the burglary resistance of building components, strong-points and security enclosures. The standard has 8 levels, 8 being the highest, and levels 1 and 2 equivalent in many respects to PAS 24 for doors
- DD 171: 1987 A guide to specifying performance requirements for hinged or pivoted doors
- BS EN 1191:2000 Windows and doors; the resistance to repeated opening and closing
- BS EN 1192:2000 Doors: the classification of strength requirements
- BS EN ISO 140-3 The test procedure for the measurement of sound attenuation
- BS EN ISO 717-1: 1997 For acoustic testing, a weighted index of the average sound reduction should be calculated using this reference
- BB93 (Building Bulletin 93) Acoustic Design for Schools as detailed in Part E of the UK Building Regulations. Music rooms Rw 35dB; classrooms Rw 30dB
- U Value: Measurement in W/m² K (watts per square metre kelvin). The lower the U value, the greater the resistance to heat, the better the insulation. Doors and windows are measured as building components providing suitable insulation and energy efficiency value



Door Kits >>



Complete Passive House compliant door kits now available from James Latham

A Passive House is a building in which a comfortable interior climate can be maintained without active heating and cooling systems. The house heats and cools itself, hence the term "passive". Typically a Passive House operates on the following basis:

- passive external heat gains from the sun as well as internal gains from appliances and the building's occupants
- significantly notable levels of airtightness and insulation with minimal thermal bridges
- a high level of internal air quality provided by a mechanical ventilation system that recovers heat efficiently
- Door leaf is 98mm thick with three decorative facing options*
- Door blank has a U Value of 0,54 W/m2K; the Passive House door, as supplied in kit form by James Latham has a U-Value of ≤ 0,80W/m2K (with and without glazing).
- Door kit is CE certified (EN 14351-1 External Doors and Windows 2010) and attains the best results in all mandatory aspects of this standard.
 Eg, wind-load resistance EN 12210, security classification WK2 (door blank resistance classification 3) ENV 1627, airtightness classification EN 12207.







Information and samples can be obtained from **James Latham** Phone: **0116 257 3415** Email: **marketing@lathams.co.uk** or click on **www.lathamtimber.co.uk**







*Only FSC/PEFC certified with exterior MDF faces

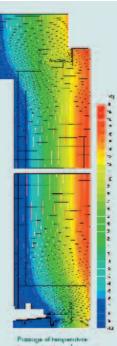
Door Kits



The inclusion of high level thermally insulated windows and doors is critical in achieving these criteria.

This Passive House Institute certified component, is your opportunity to participate in this exciting new concept.





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Supplied as a complete kit incl

- Processed 3 part Meranti frame
- Ironmonaerv
- 98mm thick door blank.
- Blank supplied part processed/CN the double-rebate detail along with hinge fixings.
- CE-Marked EN14351-1, Externa & Doors





Case Study>>

Door Manufacturer: **Caledonian (CPC)** Product: **Moralt Laminesse Firesound** School: **Gad's Hill School, Kent**



Gad's Hill is a leading independent school in Kent that offers its students a high level of learning in an appropriately pleasant atmosphere, conducive to positive thought.

During a recent refit, the auditorium doors were replaced using 2 pairs of Moralt LAMINESSE FireSound door blanks.

These products, tested as doorsets, attain an impressive acoustic value of db44 in double door configuration. Furthermore they are also certified for fire performance to FD60 (BS476 Pt.22).

With products such as these in place, the auditorium fulfils its function letting the students study in a peaceful and safe environment so that the school may continue meeting the rigorous demands of today's education standards.











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KEY:
PANEL PRODUCTS

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Information and samples can be obtained from **James Latham** Phone: **0116 257 3415** Email: **marketing@lathams.co.uk** or click on **www.lathamtimber.co.uk**

Responsible Purchaser

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Moralt Laminesse FireSound is a timber-based joinery door blank with high fire and acoustic performance.

Tested to BS476 Pt 22 FD30/60, and certified acoustically at BM Trada and SRL in Sudbury.

Configurations: Single and double-leaf, with and without glazing.

Moralt Laminesse FireSound are chipboard faced door blanks that can be; veneered, laminated, melamined, lipped and glazed with standard woodworking tools and machinery.

These products can be manufactured to almost any door size, and supplied in a minimum quantity of one.

- FireSound available in both 54mm and 59mm thickness
- Two specialist door blanks for high end internal applications
- FireSound 59mm glazed doors singles and pairs - now achieve db41 with 15mm Pyrostop up to an area of 0.45sqm per leaf
- FireSound 59mm has been tested up to dB44 as a flush double door, dB43 as a single flush door





David Smith (St. Ives) Ltd







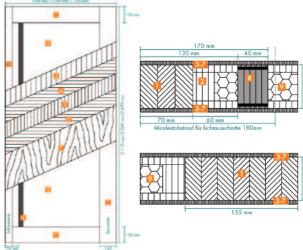


Moralt's FERRO KlassikPlus

Moralt's FERRO KlassikPlus 68mm - 98mm thick external door blanks are guaranteed for 10 years against bowing. The patented flat steel stabilizer (Patent No. 19910026) running lock-side down the length of the blank enables this, and is also isolated to prevent thermal bridges. This added reassurance is the mark of an extremely competent external grade door blank.

The high quality, thermally insulating FERRO KlassikPlus door blank with a solid timber laminated core offers optimum stability and excellent product strength. The product also benefits from solid timber laminated finger-jointed casings (stiles & rails) and a wide range of decorative facings.* The FERRO KlassikPlus achieved the very highest values in all performance classes defined in EN 14351-1 (CE marking for external doorsets).







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*Only FSC/PEFC certified with exterior MDF faces



Moralt Klima and Klima2

Moralt Klima (56mm thick) and Klima2 (60mm thick) are specialist thermal door blanks which have been produced to meet the current and future changes in UK Building Regulations.

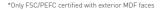
Klima 56mm thick

- Maximum leaf size 2470 x 1150mm
- Klima with PU core 0.89W/km²
- Klima with Balsa core 1.27W/km² and El30 (EN1634)
- High quality external grade joinery thermal performing door blanks
- 5mm faces (Ext. MDF / decorative plywood)*
- 160mm wide stiles that can be trimmed and lipped
- Stock sizes: 2135x 915mm / 2440 x 1220mm

Klima2 60mm thick

- Moralt Klima2 with laminated, finger jointed timber stiles and rails
- BM Trada Q Mark security door
- No lipping required
- Klima2 60mm thick with 5mm faces (Ext. MDF / decorative plywood)
- High quality PU thermal core
- Stock sizes: 2110/2240 x 950/1050mm







WoodEx[®]

Exclusive to James Latham, WoodEx® is a premium quality, versatile timber product made from European Ash and European Redwood which is suitable for use in fire rated door linings.

Tested and certified as part of a fire rated doorset (FD30/FD60 to BS 476 Pt.22) for all James Latham FR door blanks (now also including the Moralt FireSound range), WoodEx® offers a made to measure solution for FR door linings as well as numerous additional features and benefits including:

- Edge gluing
- Two high quality, clear faces
- Plus, it is suitable for 8ft door frames

*WoodEx® European Ash and WoodEx® European Redwood are tested for use in lining applications for FD30 and FD60 fore rated door sets

Available in lengths of 0.8m to 3m and in sizes ranging from 48mm x 95mm to 72mm x 120mm (6.0m in finger-jointed faced Redwood). Special sizes and lengths are also available to order.











Moralt FireSound 44mm

Extensively tested in the UK through BM TRADA, the Moralt FireSound 44mm door blank boasts an acoustic value of dB40 and a fire rating of FD30, making it one of the most technically superior door blank products available on the market.

The Moralt FireSound 44mm door blank has been fire rated and certified with James Latham's WoodEx laminated door linings as well as MDF, standard hardwood and softwood frames.

In addition, it is also easy to process and is very competitively priced plus it can be manufactured to almost any door size and supplied in a minimum quantity of one.

- dB40 available as a flush single leaf door
- FD30 tested to BS476 Pt 22 as singles, pairs and with a flush over panel
- FR sizes up to 3050mm height / 1220mm width
- 3rd party BM Trada QMark certified
- 55kg weight for a 7x3 blank and lipped
- Stock sizes: 2135x 915mm / 2440 x 1220mm
- Glazing aperture of 0.9sqm
- FSC certified







James Latham **Distribution Sites**



Purchaser



Call 0116 257 3415 email marketing@lathams.co.uk or visit www.lathamtimber.co.uk