



# Technical Specification for Timber Doorset – KBH Building Services T/A KBH HAUS

## 1. Door frame

1a. Door frame	
Manufacturer	Bloomfields Global Ltd
Reference	KBH Fire Door
Material	Finger Jointed Softwood
Head/jamb's section size	90 x 42 with a 51 x 12 rebate
Transom section size	90 x 40 with a 51 x 12 rebate and a 34 x 12 rebate strip to the fanlight side of the transom and screwed with 4.5 x 30 csk screws 50mm from the corner with a maximum 150mm centres.
Overall size	966 x 2587mm
Density recorded at sampling visit	480 kg/m <sup>3</sup>
Moisture content recorded at sampling visit	13%
Presence of Adhesives	Yes
Location	Applied to half lap joint
Manufacturer	EMMEVIL
Type	PVA D3
Reference	RH/3/5
Curing method	Air cured
Application method	Bottle applied
Jamb's to head jointing method	Half lap, glued and screwed with 3 no Ø5x100mm screws per joint
1b. Frame Fixing Method to Supporting Construction (To be confirmed at the lab)	
Manufacturer	
Reference	
Type & material	
Overall size	
Spacing	
Does the fixing penetrate intumescent seal within frame reveal	
Packing Material	
Packing Material Dimension	
Packing Material Location	
1c. Smoke seal to frame reveal	
Manufacturer	Deventer profile GmbH
Reference	S6612
Material	TPE
Overall section size	12mm wide x 12mm high

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Location	Push fitted to channel in rebate upstand
Presence of Adhesives	No
<b>1d. Threshold</b>	
Manufacturer	Bloomfields global Ltd
Reference	Theshold
Material	Hardwood min density 640
Overall section size	90 mm deep x 15mm high
Fixing method, location and fixing details	Butt jointed to the jambs and fixed with PVA and 2 no 5 x 80mm CSK

## 2. Door leaf

<b>2a. Door Leaf</b>	
Manufacturer (blank)	Sentry panel products ltd
Reference	Sentry prolite
Quantity of leaves on doorset	1
Overall leaf size prior to trimming	915mm wide x 2135mm high x 44 mm thick
Overall leaf size supplied for testing	900 mm wide x 2000mm high x 44mm thick
Location trimming was performed and by how much	15mm removed from the closing edge and 93mm was removed from the bottom edge of the leaf
<b>2b. Hanging edge Stile (Declared by manufacturer)</b>	
Material	Hardwood
Outer	549 Kg/m <sup>3</sup>
Middle	23x36mm
<b>2c. Top rails (Declared by manufacturer)</b>	
<b>Material</b>	
Outer	Hardwood
Inner	Hardwood
<b>Density</b>	
Outer	565 Kg/m <sup>3</sup>
Inner	565 Kg/m <sup>3</sup>
<b>Overall size</b>	
Outer	22x36
Inner	22x36
<b>2d. Core element (Declared by manufacturer)</b>	
<b>Material</b>	
Inner layer	Hardwood
Outer layer	Hardwood
<b>Density</b>	
Inner layer	565 kg/m <sup>3</sup>
Outer layer	565 kg/m <sup>3</sup>
<b>Overall size</b>	
Inner layer	Nominally 50x12

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Outer layer	Nominally 50x12
<b>2e. Facings (Declared by manufacturer)</b>	
Manufacturer	Sentry panel products ltd
Material	plywood paint grade finish.
Density	650 kg/m <sup>3</sup>
Moisture content	8.2%
Overall thickness	3.5mm
<b>2f. Intumescent Leaf Edge</b>	
Quantity	1
Manufacturer	Astroflame
Reference	AF1504SF8    CF 5822
Material	Graphite with brush seal
Overall section size	15mm wide x 4mm thick
Application method	Self adhesive to rear of the strip.
Location (relative to the opening face of the door leaf)	Fitted centrally in the leaf edge.

## 3. Glazing

<b>3a. Glass to leaf</b>	
Manufacturer / Supplier	AGC glass Europe
Reference	Pyrobelite 9 EG
overall size	494 mm high x 494 mm wide x 12mm thick
Aperture location relative to the head and closing edge of the leaf	245 mm from the head of the leaf and 195mm from the closing edge of the leaf
Aperture size (prior to any lining)	500mm x 500mm
Sight size	450 x 450mm
Expansion allowance	3mm all round
Fixing method, fixing material, sizes, quantity and location	4.5 x 60mm screws 50mm from the corner and maximum 150mm centres pre drilled 30-35 degrees and CSK to allow for filler to cover the screw heads.
Setting blocks	Hardwood 3 x 12mm
<b>3b. Glass to overpanel</b>	
Manufacturer / Supplier	AGC glass Europe
Reference	Pyrobelite 9 EG
overall size	900mm x 500mm
Aperture size (prior to any lining)	904mm x 504mm
Sight size	880 x 482mm
Expansion allowance	3mm all round
Fixing method, fixing material, sizes, quantity and location	4.5 x 30mm screws 50mm from the corner and maximum 150mm centres pre drilled 30-35 degrees CSK with filler to cover the screw heads.
Setting blocks	Hardwood 3 x 12mm

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3c. Beading (Leaf)	
Manufacturer	Bloomfields global Ltd
Reference	KBH
Material	Sapele
Moisture content at sampling visit	12 %
Density	750kg/m <sup>3</sup>
Overall size	30 x 25mm with with a 17 x 13 mm rebate.
3d. Beading (overpanel)	
Manufacturer	Bloomfields global Ltd
Reference	KBH
Material	Sapele
Moisture content at sampling visit	12%
Density	750kg/m <sup>3</sup>
Overall size	34 x 12mm
3e. Glazing liner (Leaf and Overpanel)	
Manufacturer	Deventer profile GmbH
Reference	S6612
Material	TPE
Overall section size	12mm wide x 12mm high
Location	Push fitted to channel in rebate upstand
Presence of Adhesives	No

## 4. Hardware

4a. Hinges	
Supplier	Hoppe-Arrone
Reference	AR8182
Quantity	3
Primary material	Stainless steel
Type	Ball bearing radiused
Size	
i. -knuckle	14Ømm x 102mm high
ii. -blades	102mm high x 76mm wide x 3mm thick
Fixings	
i. type	pozi countersunk woodscrews
ii. material	Stainless steel
iii. sizes	5Ømm x 60mm long to leaf and 5Ømm x 60mm long to frame
iv. number off per blade	4 no
Position of each hinge relative to the head of the leaf	143 from top of leaf to top of hinge 956 from top of leaf to top of hinge 1754 from top of leaf to top of hinge
Details of intumescent protection	1mm graphite supplied with the hinge

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Interruptions to Intumescent within the frame reveal	Yes
<b>4b. Door Closer (Seen during the sampling and to be fitted at the lab).</b>	
Manufacturer	ECO Schulte
Reference	ECO TS-10 D EN
Material	Aluminium
Body	220 x 58 x 41mm
Configuration	Surface mounted
Fixing method	Face fixed to the door leaf with screws supplied by the manufacturer.
Maximum opening moment	Newton metre ( Nm ) (to be inputted by WF)
Maximum closer moment	Newton metre ( Nm ) (to be inputted by WF)
<b>4c. Drop Down Seal</b>	
Manufacturer	Comaglio
Reference	Ref. 422-083
Material	Aluminium
Body	28.5mm high x 12.5mm wide
Fixing method, type and locations	2 no 3.5 x 25mm csk screws
Location within leaf	Bottom of leaf fitted centrally
Maximum operating drop	20mm
<b>4d. Lockset / Latch</b>	
Manufacturer	Codkey Technologies Ltd
Reference	CD 2001 1101.2370N with thumbturn
Material	Stainless steel
Central Lockcase	163.5mm high x 22.4 mm wide x 85 mm deep
Forend plate	250mm high x 22.4 mm wide x 3 mm thick
Latch bolt	52mm high x 25mm wide x 25 mm projection
Fixing method	4no 5x30 stainless steel countersunk wood screws
Details of intumescent protection	
Central lockcase	1mm graphite fitted around the lock and forend
Top and bottom lock case	
Forend plate	1mm graphite
Interruptions to Intumescent on the door leaf edge	Fully interrupts seal in leaf edge
Location of centre of latch bolt relative to the bottom of the leaf	Centre of the latch bolt measures 1020mm from the bottom of the leaf
<b>4e. Keeps</b>	
Manufacturer	Codkey
Reference	CD 2001
Material	Perforated Steel
Centre	250 x 25 x 2
Fixing method	4no 5x30 stainless steel countersunk wood screws

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Details of intumescent protection	1 mm graphite to latch keep
<b>4f. Cylinder</b>	
Manufacturer	UAP Ltd
Reference	Helix systems K4 3* KM561977
Material	Steel alloy
Overall size	17 mm high x 17 mm wide x 65 mm long
<b>4g. Lever handles</b>	
Manufacturer	Hoppe/Arrone
Reference	Milano
Material	Aluminium
Overall size	104 long lever x 45mm projection 9mm thick 49Ø rose
Fixing method, fixing material, sizes, quantity and location	2 no 4x60 machine screws and 3 no 20mm countersunk Stainless steel screws
Details of intumescent protection	None
<b>4h. Letter plate</b>	
Manufacturer	UAP Ltd
Reference	Soterian TS008 Certifire CF5723
Material	Aluminium
Body size	305 mm high x 75 mm wide x 20 mm thick
Cut out size	260mm high x 53 mm wide
Footprint	305 mm high x 115 mm wide x 35 mm thick
Security cowl	300 mm high x 115 mm wide x 35mm projection
Fixing method	4no M6 bolts to corners and 6no x 4.0 x 25mm csk screws.
Presence of sealants	No
Location	1070 from head of leaf to the top of the letterplate and central across the width.
Details of intumescent protection	Fitted by UAP
<b>4i. Door viewer</b>	
Manufacturer	UAP Ltd
Reference	SWALF
Material	Brass with Lens
Cut Out Diameter	15 mm Ø
Body diameter	14 mm Ø
Diameter at Internal Face	22 mm Ø
Diameter at External Face	26mm Ø
Fixing method	2 halves screwed into each other.
Location	500 mm from the head of the leaf and 450 mm from the closing edge of the leaf to the centre of the aperture
Details of intumescent protection	1 mm graphite intumescent sleeve supplied with viewer and around the body of the viewer
<b>4j. Escutcheon</b>	
Manufacturer	Hoppe/Arrone
Reference	Milano

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Material	Aluminium
Overall size	9mm thick 50mmØ
Fixing method	2 no 4 x 60 machine screws and 3 no 20mm countersunk Stainless steel screws
Details of intumescent protection	None

## 5. Side Light – N/A

5a. Door frame sidelight mid-rail	
Reference	
Material	
Density	
Section size	
Rebate	
<b>Fixing midrail to mullion &amp; jamb joints</b>	
i. type	
ii. size	
iii. quantity	
<b>Details of adhesive</b>	
i. supplier	
ii. reference	
5b. Door frame sidelight bottom-rail	
Reference	
Material	
Density	
Section size	
Rebate	
<b>Fixing rail to mullion &amp; jamb joints</b>	
i. type	
ii. size	
iii. quantity	
<b>Details of adhesive</b>	
i. supplier	
ii. reference	
5c. Sidelight glazed panel	
Supplier	
Thickness	
Overall size	
i. full pane	
ii. top pane	
iii. bottom pane	
Nominal edge clearance	

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5d. Sidelight opaque panel	
Overall size	
<b>Panel facing</b>	
i. material	
ii. density	
iii. thickness	
<b>Panel core</b>	
i. material	
ii. density	
iii. thickness	
Nominal edge clearance	
Fixing into rebate	
<b>Details of adhesive</b>	
i. supplier	
ii. reference	

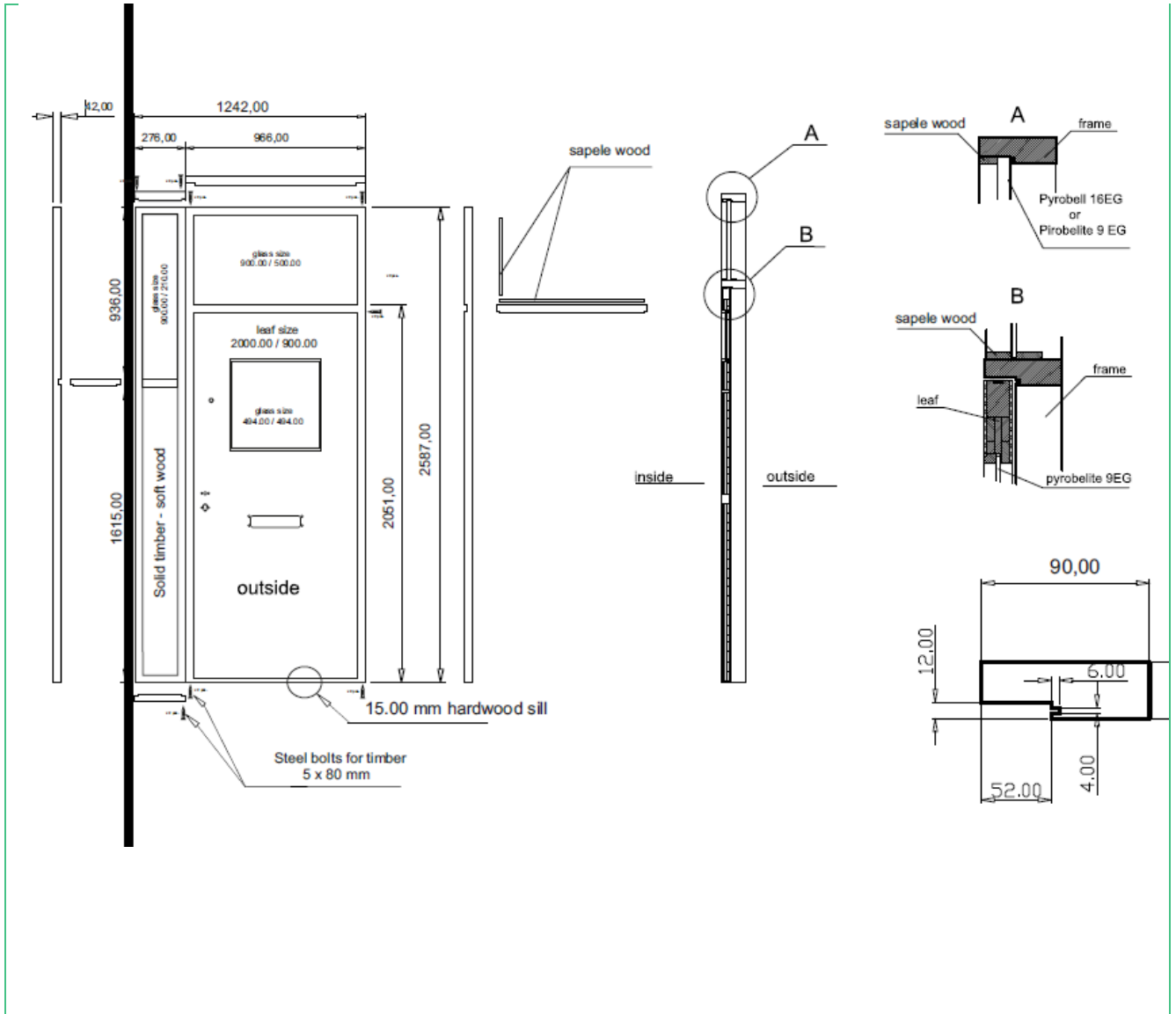


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## 6. Drawings

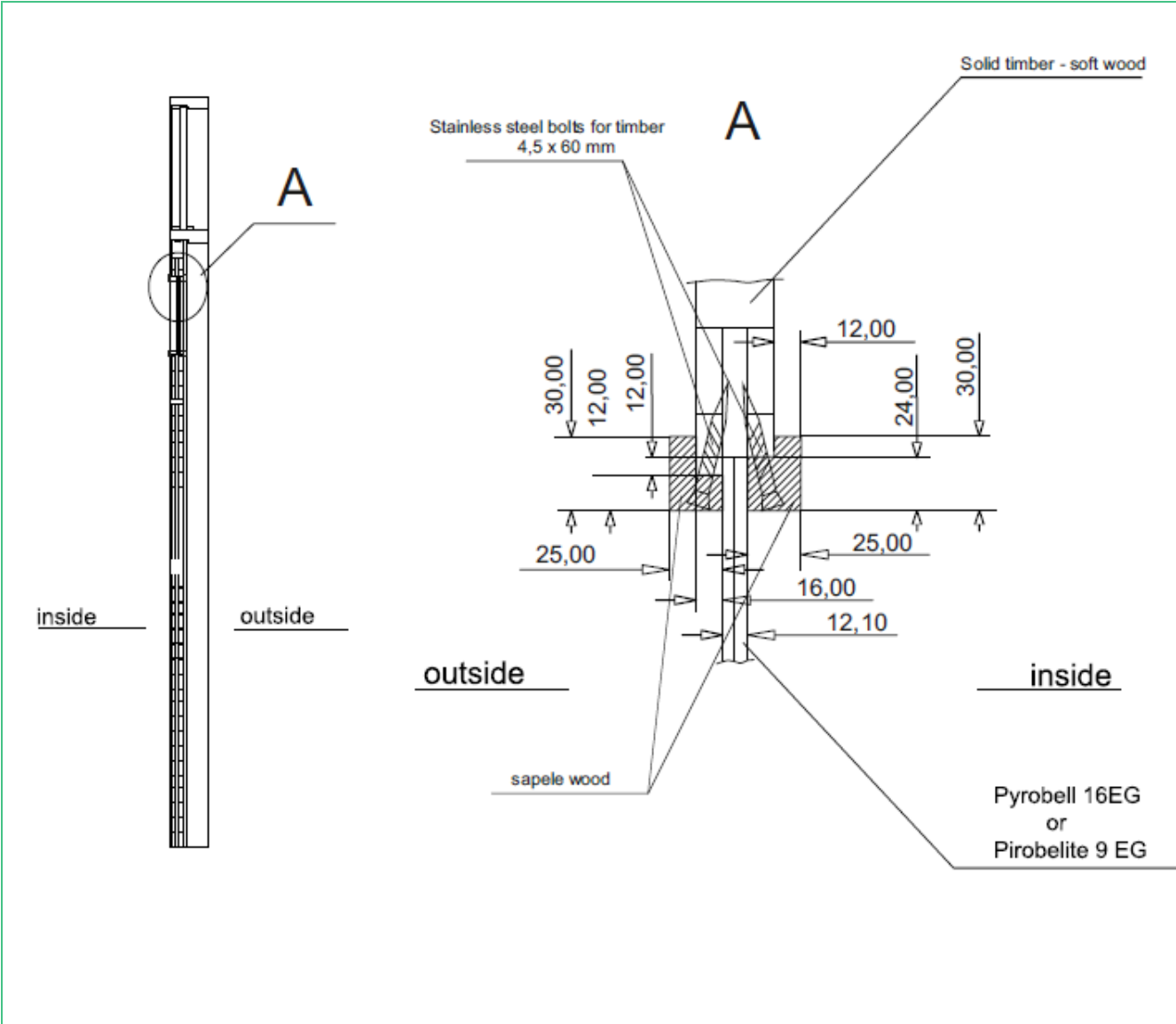
Please expand each box below to insert the required drawings for the purpose of sampling. Original drawings in '.dwg' format will be required for the test lab to use for the completion of a test report.

**IMAGE 1**



# Technical Specification for Timber Doorsets

**IMAGE 2**



# Technical Specification for Timber Doorsets

**IMAGE 3**

