Certificate of Compliance

You have been awarded:

WH Service Mark 2014 for Category D - Door/frame Assemblies, Doors

Standards: BS 476 Part 22 (1987)

Certificate number: WHI18-28731411

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization: ARFAD International Industry Company
Building No. 4177, Road 118, 3rd Industrial Area
Al Jubail 35729
Kingdom of Saudi Arabia

Product: Halspan 60 Optima Fire Rated Wood Door Assembly
Spec ID: 33278
Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.
Initial registration: March 13, 2018
Date of expiry: December 31, 2026
Issue status: 10

Authorized By: _____
Jean-Philippe Kayl, Director of Certification

Intertek Testing Services NA, Inc.
545 E. Algonquin Road, Ste H., Arlington Heights, IL 60005 USA
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The certificate and schedule are held in force by regular annual surveillance visits by Intertek Testing Services NA, Inc. and the reader or user should contact Intertek to validate its status. This certificate remains the property of Intertek Testing Services NA, Inc. and must be returned to them on demand. This Certificate is for the exclusive use of Intertek's Client and is provided pursuant to the Certification agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this certificate. Only the Client is authorized to permit copying or distribution of this certificate and then only in its entirety. Use of Intertek's Certification mark is restricted to the conditions laid out in the agreement. Any further use of the Intertek name for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. Initial Factory Assessments and Follow up Services are for the purpose of assuring appropriate usage of the Certification mark in accordance with the agreement, they are not for the purposes of production quality control and do not relieve the Client of their obligations in this respect.

LISTING INFORMATION

PRODUCT COVERED

Halspan 60 Optima Particleboard Fire Door Assembly for use in fire rated applications per BS 476 Part 22 (1987) for insulation and integrity ratings as specified below.
Insulation: See the table and glazing restrictions below. Insulation rating is dependent on glazing configuration, (See Machining Information section of listing for complete approvals, restrictions, and limitations).

Type	Details
Partially Insulating	Doorsets incorporating up to 20 percent of non-insulating or partially insulating glazing.
Fully Insulating	Unglazed doorsets or doorsets glazed with 25mm thick Pyrobel 25.

Integrity: 60 Minutes

MAXIMUM SIZES AND RATINGS

Allowable Configuration(s)	Maximum Size	Frame Type	Glazing	Overpanel	Intumescent
LSASD ULSASD DASD	915mm wide x 2303mm high (LSASD) 948mm wide x 2135mm high (LSASD) 915mm wide x 2253mm high (ULSASD or DASD) 923mm wide x 2135mm high (ULSASD or DASD)	Hardwood	Yes (Max. 0.82 sq. m) See Machining Details for 1.31 sq. m option.	Yes, Transomed. (Max. height 2000mm)	Yes. (PVC Encapsulated Palusol 100 or Type 617) Head: 1 No 20 x 4mm exposed and centrally fitted in the frame reveal. Jambs: 1 No 20 x 4mm exposed and centrally fitted in the frame reveal.
LSADD ULSADD DADD	826mm wide x 2203mm high (LSADD) 858mm wide x 2135mm high (LSADD) 826mm wide x 2153mm high (ULSADD or DADD) 833mm wide x 2135mm high (ULSADD or DADD)	Hardwood	Yes (Max. 0.82 sq. m) See Machining Details for 1.31 sq. m option.	Yes, Transomed. (Max. height 1500 mm)	Yes. (PVC Encapsulated Palusol 100P or Type 617) Head: 1 No 25 x 4mm exposed and centrally fitted in the frame reveal. Meeting Edges (Square): 1 No 25 x 4mm exposed and fitted centrally in one leaf edge only. Meeting Edges (Rebated): 1 No 15 x 4mm exposed and fitted centrally in the rebate of both leaf edges. Jambs: 1 No 25 x 4mm exposed and fitted centrally in the frame reveal. Partially interrupted by hinges with approximately 8mm remaining.
LSASD ULSASD DASD	1100mm wide x 2486mm high (LSASD) 1192mm wide x 2300mm high (LSASD) 1100mm wide x 2436mm high (ULSASD or DASD) 1167mm wide x 2300mm high (ULSASD or DASD)	Hardwood Or MDF	Yes (Max. 0.82 sq. m) See Machining Details for 1.31 sq. m option.	Yes, Transomed. (Max. height 2000mm)	Yes. (PVC Encapsulated 500P or Halspan Type SLS) Head: 2 No 15 x 4mm exposed and fitted 5mm either side of the centerline in the leaf or frame head. Jambs: 2 No 15 x 4mm exposed and fitted 5mm either side of the centerline in the leaf edge or frame reveal.
LSASD ULSASD DASD	1150mm wide x 2866mm high (LSASD) 1254mm wide x 2650mm high (LSASD) 1150mm wide x 2816mm high (ULSASD or DASD) 1229mm wide x 2650mm high (ULSASD or DASD)	Hardwood Or MDF	Yes (Max. 0.82 sq. m) See Machining Details for 1.31 sq. m option.	Yes, Transomed. (Max. height 2000mm)	Yes. (PVC Encapsulated 500P or Halspan Type SLS) Head: 2 No 15 x 4mm exposed and fitted 5mm either side of the centerline in the leaf or frame head. Jambs: 2 No 15 x 4mm exposed and fitted 5mm either side of the centerline in the leaf edge or frame reveal.
LSASD ULSASD	1236mm wide x 2735mm high (LSASD)	Wood.	Yes (Max. 0.82 sq.	Yes, Transomed. (Max. height	Yes (PVC Encapsulated Type 617). Head: 2 No 15 x 4mm exposed and fitted

DASD	1384mm wide x 2441mm high (LSASD) 1236mm wide x 2685mm high (ULSASD or DASD) 1359mm wide x 2441mm high (ULSASD or DASD)		m) See Machining Details for 1.31 sq. m option.	2000mm)	5mm either side of the centerline in the leaf or frame head. Jambs: 2 No 15 x 4mm exposed and fitted either side of the centerline in the leaf edge or frame reveal.
LSASD ULSASD DASD	1236mm wide x 2633mm high (LSASD) 1333mm wide x 2441mm high (LSASD) 1236mm wide x 2583mm high (ULSASD or DASD) 1308mm wide x 2441mm high (ULSASD or DASD)	Hardwood Or MDF	Yes (Max. 0.82 sq. m) See Machining Details for 1.31 sq. m option.	Yes, Transomed. (Max. height 2000mm)	Yes. (PVC Encapsulated Palusol 100P) Head: 2 No 15 x 4mm exposed and fitted 5mm either side of the centerline in the leaf or frame head. Jambs: 2 No 15 x 4mm exposed and fitted 5mm either side of the centerline in the leaf edge or frame reveal.
LSASD ULSASD DASD	825mm wide x 3050mm high (LSASD) 1000mm wide x 2700mm high (LSASD) 825mm wide x 3000mm high (ULSASD or DASD) 975mm wide x 2700mm high (ULSASD or DASD)	Hardwood.	Yes (Max. 0.82 sq. m) See Machining Details for 1.31 sq. m option.	Yes, Transomed. (Max. height 2000mm)	Yes. (PVC Encapsulated Palusol 100P, Type 617, Therm-A-Seal, Pyroplex 500P, or Halspan Type SLS) Head: 2 No 15 x 4mm exposed and fitted 5mm either side of the centerline in the leaf or frame head. Jambs: 2 No 15 x 4mm exposed and fitted 5mm either side of the centerline in the leaf edge or frame reveal.
LSASD+OP ULSASD+OP DASD+OP	1150mm wide x 2766mm high (LSASD+OP) 1204mm wide x 2650mm high (LSASD+OP) 1150mm wide x 2716mm high (ULSASD+OP or DASD+OP) 1179mm wide x 2650mm high (ULSASD+OP or DASD+OP)	Hardwood.	Yes (Max. 0.82 sq. m) See Machining Details for 1.31 sq. m option.	Yes (Max. height 2000mm)	Yes. (PVC Encapsulated Pyrostrip 500P, or Halspan Type SLS) Head (Square): 1 No 38 x 4mm exposed and fitted centrally in the leaf or bottom of overpanel. Head (Rebated): 2 No 15 x 4mm exposed and fitted centrally with one in the rebate and one in the overpanel plus 1 No 10 x 4mm in the corner of the leaf head rebates. Jambs & Overpanel: 2 No 15 x 4mm exposed and fitted 5mm either side of the centerline in the leaf edge or frame reveal.
LSASD+OP ULSASD+OP DASD+OP	825mm wide x 2950mm high (LSASD+OP) 950mm wide x 2700mm high (LSASD+OP) 825mm wide x 2900mm high (ULSASD+OP or DASD+OP) 925mm wide x 2700mm high (ULSASD+OP or DASD+OP)	Hardwood.	Yes (Max. 0.82 sq. m) See Machining Details for 1.31 sq. m option.	Yes. (Max. height 2000mm)	Yes. (PVC Encapsulated Palusol 100, Type 617, Therm-A-Seal, Pyroplex 500P, or Halspan Type SLS) Head (Square): 1 No 38 x 4mm exposed and fitted centrally in the leaf or bottom of overpanel. Head (Rebated): 2 No 15 x 4mm exposed and fitted centrally with one in the rebate and one in the upstand of the overpanel plus 1 No 10 x 4mm in the corner of the leaf head rebates. Jambs & Overpanel: 2 No 15 x 4mm exposed and fitted 5mm either side of the centerline in the leaf edge or frame reveal.
LSADD ULSADD DADD	900mm wide x 2300mm high (LSADD) 975mm wide x 2150mm high (LSADD) 900mm wide x 2250mm high (ULSADD or DADD) 950mm wide x 2150mm high (ULSADD or DADD)	Hardwood Or MDF	Yes (Max. 0.82 sq. m) See Machining Details for 1.31 sq. m option.	Yes, Transomed. (Max. height 1500mm)	Yes. (PVC Encapsulated Palusol 100, Type 617, Therm-A-Seal, Pyroplex, Pyrostrip 500P, or Halspan Type SLS) Head: 2 No 15 x 4mm exposed and fitted 5mm either side of the centerline in the leaf or frame head. Meeting Edges (Square): 2 No 15 x 4mm exposed and fitted 5mm either side of the centerline in one leaf edge only. Meeting Edges (Rebated): 1 No 15 x 4mm exposed with each seal fitted centrally in the rebate of each leaf.

					Jambs: 2 No 15 x 4mm exposed and fitted 5mm either side of the centerline in the leaf edge or frame reveal.
LSADD ULSADD DADD	1100mm wide x 2386mm high (LSADD) 1142mm wide x 2300mm high (LSADD) 1100mm wide x 2336mm high (ULSADD or DADD) 1117mm wide x 2300mm high (ULSADD or DADD)	Hardwood Or MDF	Yes (Max. 0.82 sq. m) See Machining Details for 1.31 sq. m option.	Yes, Transomed. (Max. height 1500mm)	Yes. (PVC Encapsulated 500P or Halspan Type SLS) Head: 2 No 15 x 4mm exposed and fitted 5mm either side of the centerline in the leaf or frame head. Meeting Edges (Square): 2 No 15 x 4mm exposed and fitted 5mm either side of the centerline in one leaf edge only. Jambs: 2 No 15 x 4mm exposed and fitted 5mm either side of the centerline in the leaf edge or frame reveal.
LSADD ULSADD DADD	825mm wide x 2850mm high (LSADD) 900mm wide x 2700mm high (LSADD) 825mm wide x 2800mm high (ULSADD or DADD) 875mm wide x 2700mm high (ULSADD or DADD)	Hardwood.	Yes (Max. 0.82 sq. m) See Machining Details for 1.31 sq. m option.	Yes, Transomed. (Max. height 1500mm)	Yes. (PVC Encapsulated Palusol 100P, Type 617, Therm-A-Seal, Pyroplex, Pyrostrip 500P, or Halspan Type SLS) Head (Square): 2 No 15 x 4mm exposed and fitted 5mm either side of the centerline in the leaf or frame head. Meeting Edges (Rebated): 1 No 15 x4 mm exposed with each seal fitted centrally in the rebate of each leaf. Meeting Edges (Square): 2 No 15 x 4mm exposed and fitted 5mm either side of the centerline in one leaf edge only. Jambs: 2 No 15 x 4mm exposed and fitted 5mm either side of the centerline in the leaf edge or frame reveal.
LSADD+OP ULSADD+OP DADD+OP	900mm wide x 2200mm high (LSADD+OP) 925mm wide x 2150mm high (LSADD+OP) 900mm wide x 2150mm high (ULSADD+OP or DADD+OP)	Hardwood.	Yes (Max. 0.82 sq. m) See Machining Details for 1.31 sq. m option.	Yes (Max. height 1500mm)	Yes. (PVC Encapsulated Palusol 100P, Type 617, Therm-A-Seal, Pyroplex, Pyrostrip 500P, or Halspan Type SLS) Head (Square): 1 No 38 x 4mm exposed and fitted centrally in the leaf or bottom of overpanel. Head (Rebated): 2 No 15 x 4mm exposed and fitted centrally with one seal in the rebate and one seal in the upstand of the overpanel, plus 1 No 10 x 4mm in the corner of the leaf head rebates (maximum leaf height with rebates is 2200mm). Meeting Edges (Square): 2 No 15 x 4mm exposed and fitted 5mm either side of the centerline in one leaf edge, and 1 No 10 x 4mm fitted centrally in the opposite leaf. Jambs & Overpanel (Overpanel intumescent is optional): 2 No 15 x 4mm exposed and fitted 5mm either side of the centerline in the leaf edge or frame reveal.
LSADD+OP ULSADD+OP DADD+OP	825mm wide x 2750mm high (LSADD+OP) 850mm wide x 2700mm high (LSADD+OP) 825mm wide x 2700mm high (ULSADD+OP or DADD+OP)	Hardwood.	Yes (Max. 0.82 sq. m) See Machining Details for 1.31 sq. m option.	Yes. (Max. height 1500mm)	Yes. (PVC Encapsulated Palusol 100, Type 617, Therm-A-Seal, Pyroplex, Pyrostrip 500P, or Halspan Type SLS) Head (Square): 1 No 38 x 6mm exposed and fitted centrally in the leaf or bottom of overpanel. Head (Rebated): 2 No 15 x 4mm exposed and fitted centrally with one seal in the rebate and one seal in the upstand of the overpanel, plus 1 No 10 x 4mm in the corner of the leaf head rebates (maximum leaf height with rebates is 2200mm). Meeting Edges (Square): 2 No 15 x 4mm

					exposed and fitted 5mm either side of the centerline in one leaf edge, and 1 No 10 x 4mm fitted centrally in the opposite leaf. Jambs & Overpanel (Overpanel intumescent is optional): 2 No 15 x 4mm exposed and fitted 5mm either side of the centerline in the leaf edge or frame reveal.
LSASD ULSASD DASD	900mm wide x 2150mm high (LSASD) 925mm wide x 2100mm high (LSASD) 900mm wide x 2100mm high (ULSASD or DASD)	Hardwood (Low density)	Yes (Max. 0.82 sq. m) See Machining Details for 1.31 sq. m option.	Yes. (Max. height 2000mm)	Yes. (Type 617 or Halspan Type SLS) Head (Square): 1 No 15 x 4mm exposed and fitted 5mm either side of the centerline in the frame head. Jambs: 2 No 15 x 4mm exposed and fitted 5mm either side of the centerline in the leaf edge or frame reveal.
LSADD ULSADD DADD	916mm wide x 2463mm high (LSADD) 946mm wide x 2400mm high (LSADD) 916mm wide x 2413mm high (ULSADD or DADD) 921mm wide x 2400mm high (ULSADD or DADD)	European Beech	Yes (Max. 0.82 sq. m) See Machining Details for 1.31 sq. m option.	No	Yes. (MAP based seal or Halspan Type SLS) Head: 2 No 15 x 4mm Halspan SLS exposed and fitted 5mm either side of the centerline in the leaf or frame head plus 2No layers of 10 x 2mm MAP based seal exposed and fitted centrally in the leaf head. Jambs: 2 No 15 x 4mm Halspan SLS exposed and fitted 5mm either side of the centerline in the frame reveal plus 2No layes of 10 x 2mm MAP based seal exposed and fitted centrally in the leaf sdges, Meeting edges (Square): 2No layers of 10 x 2mm MAP based seal exposed and fitted centrally in the active leaf edge. Plus 2No 15 x 4mm Halspan SLS exposed and fitted 5mm either side of the centreline in the active leaf edge.
LSASD ULSASD DASD	916mm wide x 2563mm high (LSASD) 996mm wide x 2400mm high (LSASD) 916mm wide x 2513mm high (ULSASD or DASD) 971mm wide x 2400mm high (ULSASD or DASD)	European Beech	Yes (Max. 0.82 sq. m) See Machining Details for 1.31 sq. m option.	No	Yes. (MAP based seal or Halspan Type SLS) Head (Square): 2 No 15 x 4mm Halspan SLS exposed and fitted 5mm either side of the centerline in the leaf or frame head plus 2No layers of 10 x 2mm MAP based seal exposed and fitted centrally in the leaf head. Jambs: 2 No 15 x 4mm Halspan SLS exposed and fitted 5mm either side of the centerline in the frame reveal plus 2No layes of 10 x 2mm MAP based seal exposed and fitted centrally in the leaf sdges, Meeting edges (Square): 2No layers of 10 x 2mm MAP based seal exposed and fitted centrally in the active leaf edge. Plus 2No 15 x 4mm Halspan SLS exposed and fitted 5mm either side of the centreline in the active leaf edge.
LSADD	1000mm wide x 2329mm high (LSADD) 1083mm wide x 2150mm high (LSADD)	Steel	Yes (Max. 0.82 sq. m) See Machining Details for 1.31 sq. m option.	No	Yes. (Halspan H60F & Halspan SLA type) Head: 1 No 38 x 4mm Halspan H60F, exposed and fitted centrally in the leaf Jamb: 1 No 38 x 4mm Halspan H60F, exposed and fitted centrally in the leaf hanging edges. Meeting Edges (Square): 1 No 15 x 4mm exposed and fitted 5mm either side of the centerline in the active leaf, and 1No 10 x 4mm Halspan SLA, fitted centrally in the inactive leaf edge.

LSASD	1000mm wide x 2379mm high (LSASD) 1108mm wide x 2150mm high (LSASD)	Steel	Yes (Max. 0.82 sq. m) See Machining Details for 1.31 sq. m option.	NO	Yes. (Halspan H60F) Head: 1 No 38 x 4mm Halspan H60F, exposed and fitted centrally in the leaf Jamb: 1 No 38 x 4mm Halspan H60F, exposed and fitted centrally in the leaf hanging edges.

Please note: Consult Manufacturing and Machining sections of this listing for hardware intumescent requirements.

DEFINITION KEY
LSASD - Latched Single Acting Single Doorset
ULSASD - Unlatched Single Acting Single Doorset
DASD - Double Acting Single Doorset
LSASD+OP - Latched Single Acting Single Doorset with Overpanel
ULSASD+OP - Unlatched Single Acting Single Doorset with Overpanel
DASD+OP - Double Acting Single Doorset with Overpanel
LSADD - Latched Single Acting Double Doorset
ULSADD - Unlatched Single Acting Double Doorset
DADD - Double Acting Double Doorset
LSADD+OP - Latched Single Acting Double Doorset with Overpanel
ULSADD+OP - Unlatched Single Acting Double Doorset with Overpanel
Please consult Intertek or Halspan with any questions that pertain to the door construction referenced within this listing.