

CERTIFICATE OF CONFORMITY

Issue: 01

Certificate number: ESL-24-11696

Pursuant to provisions of the Certification scheme on Global Conformity Certification of fire and life safety products (CS-GCC, scheme type 5), Emirates Safety Laboratory hereby grants this certificate of conformity to the product described below:

DesertBoard – Palm Strand Board, Single Leaf Door & Frame Assembly (60 minutes)

Placed on the market under the name or trade mark of:

Al Talah Board Manufacturing Co. LTD
Plot no. KHIA4-05, Taweelah
Abu Dhabi, United Arab Emirates

Manufactured in the following location(s):

Al Talah Board Manufacturing Co. LTD
Plot no. KHIA4-05, Taweelah
Abu Dhabi, United Arab Emirates

Complies with the requirements of the standard(s) as detailed below:

UL 10C (2016) Positive Pressure Fire Tests of Door Assemblies

The certificate was first issued on **13 October 2024** and remains valid under the condition that the Certificate Holder fulfils the requirements of the agreement on certification supervision no. **0290/SA/24**.



Signed for ESL

Tomasz Kielbasa
Certification Manager

13 October 2024
Date of issue

12 October 2027
Expiry date

This Certificate remains valid till date stated above, unless suspended, withdrawn or terminated. This certificate will not be valid if the manufacturer makes any changes affecting product conformity, which have not been notified to, and agreed in writing with ESL. This Certificate is an electronic document and shall not be reproduced (in any form) except in full. Certificate holder is under an obligation to make references to Issued certificate only in conjunction with product(s) that conform to evaluated product construction. Prior to use of this certificate, please verify its validity at ESL directory

Emirates Safety Laboratory (ESL)
240 Al Awir Road, Warsan 3, Mushraif, Dubai, United Arab Emirates
T: +971 4 520 1800, E: ask@eslglobal.com



Appendix to Certificate of Conformity

No: **ESL-24-11696**Issue: **01****CERTIFIED PRODUCT:****Product Description:**

DesertBoard - Palm Strand Board, Single Leaf Door & Frame Assembly (60 minutes) is made using critical components such as a PSB (palm strand board) core and frame, intumescent seals, adhesive, and essential door hardware such as concealed door closer, concealed hinges, Lockset, and the door bottom.

Product Details:

Fire Test Results	
Fire Resistance rating up to 60 minutes	
Product Description	Maximum Allowable Size
DesertBoard – Palm Strand Board, Single Leaf Door & Frame Assembly (60 minutes)	Overall frame size: 3047 mm x 1184 mm x 120 mm (H x W x Jamb) Maximum leaf size: 3000 mm x 1100 mm x 72 mm (H x W x thick.)

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No: **ESL-24-11696**Issue: **01**

COMPONENTS	SPECIFICATION
DOOR COMPONENTS	
Door Core	Manufacturer: Al Talah Board Manufacturing Co. LTD, Abu Dhabi Brand: DesertBoard; Model: PSB fire core 18 mm, FR Ultra Min. Density: 830 kg/m ³ ; Moisture Content: 8-12% Overall Core thickness: 72 mm (18mm x 4 layers of the core bonded using PUR adhesive. Application rate 200 g/m ² for each layer)
PUR Adhesive (to bond core joints)	Manufacturer: Klebchemie M. G Becker GmbH & Co, Germany Brand: Kleiberit 501.0
Intumescent Seal	Manufacturer: Lorient Gulf; Dimension: 20 mm x 4 mm Model: Lorient LP 2004 Description: On all three sides, except the door bottom.
FRAME COMPONENTS	
Door Frame	Manufacturer: Al Talah Board Manufacturing Co. LTD, Abu Dhabi Brand: Desert Board; Model: PSB fire core 18 mm, FR Ultra Min. Density: 830 kg/m ³ ; Moisture Content: 8-12% Frame Profile: Face: 72 mm (exposed side) & 54 mm (unexposed), Frame Stop: 45x18 mm; Frame fixing: Half mitered joints using SS screws, Ø8 x 3" Rubber Gasket from 'Athmer', Model PS-0704-S; 11 x 7 mm Overall frame thickness: 72 mm (18mm x 4 layers of the core bonded using PUR adhesive. Application rate 200 g/m ² for each layer)
PUR Adhesive (to bond frame pieces)	Manufacturer: Klebchemie M. G Becker GmbH & Co, Germany Brand: Kleiberit 501.0
Intumescent Seal	Manufacturer: Pyroplex Limited, UK; Model: Pyroplex flexible seals; Dimension: 40 mm x 2.5 mm, Part no: 8983; on all three frame sides.
Architrave	Dimension: 18 x 60 mm thick (unexposed side); 18 x 39 mm thick (exposed) Manufacturer: Al Talah Board Manufacturing Co. LTD, Abu Dhabi Brand: Desert Board; Model: PSB fire core 18 mm, FR Ultra Min. Density: 830 kg/m ³ ; Moisture Content: 8-12%
HARDWARE COMPONENTS	
Concealed Hinges	Brand: Hafele; Model: Tectus TE 540 3D, Article: 924.17.224, four (4) quantities Description: Concealed mortise hinges, 200 mm x 80 mm, satin nickel finish Intumescent Kit: Hafele, 2 mm thick, graphite-based seal

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Concealed Door Closer	Brand: Devon; Article: 86.216.62 Description: Fully concealed door closer with track arm, size 3 Dimensions: 230 x 56 x 32 mm (L x W x Thk) Intumescent Kit: Hafele, 2 mm thick, graphite-based seal
Mortise Lock	Brand: Hafele; Article no: 911.82.163 Model: LMD15, mortise lock with deadbolt and cylinder; Latch throw (min): 18 mm Intumescent Kit: Hafele, 2 mm thick, graphite-based seal
Lever Handle	Brand: Hafele, Article no: 902.24.020 Model: Ariz - Arizona Lever handle set on rose with spindle
Drop Seal	Brand: Athmer, UK Model: Schall-Ex L-14/35 EK 1-935, Automatic door bottom Dimensions: 14 mm (W) x 35 mm (H) Intumescent Kit: Hafele, 2 mm thick, graphite-based seal

Limitations:

1. The dimensions of the doorset must not exceed the maximum allowable size specified.
2. Any modification to the components and dimensions of the doorset without prior written approval from ESL will render this certification void.
3. This certificate covers the fire resistance property of the doorset; it does not pertain to reaction to fire, flame propagation, or any other fire-related properties.
4. This certificate applies solely to single swing doors and does not include pairs and double egress doors.
5. The doorset shall be installed in a solid concrete block or masonry wall with a minimum thickness of 150 mm.
6. The gap between the frame and the supporting structure, which must not exceed 10 mm, should be effectively sealed with Boss 813FR fire foam. Additionally, both sides should be sealed to a depth of 10 mm using Nullifire FS702 fire-resistant acrylic sealant.
7. Refer to the test report for more technical details on door & frame construction, such as intumescent placement, hardware locations, frame profile, and more.
8. This door configuration is limited to a 60-minute fire resistance rating only.



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