



CERTIFICATE NUMBER 22-2293376-PDA

EFFECTIVE DATE 19-Oct-2022

EXPIRATION DATE 18-Oct-2027

ABS TECHNICAL OFFICE Singapore Ship Engineering

## CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

### **PERKASA M&E SDN BHD**

located at

**NO. 1, JALAN BAYU 3, BANDAR SERI ALAM, MASAI, JOHOR  
BAHRU, Malaysia, 81750**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

**Product: Door, A-30**

**Model: PME-A30WT-1**

**Tier: 2 - PDA Issued**

This Product Design Assessment (PDA) Certificate remains valid until 18/Oct/2027 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau of Shipping

*Ramendra Kumar Pandey*  
Ramendra Kumar Pandey, Principal Engineer

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement.

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**Product:** Door, A-30  
**Model:** PME-A30WT-1  
**Endorsements:**

**Intended Service:**

For use on Ships and Offshore Installations.

**Description:**

Single leaf hinged door with locking arms with single handwheel and fireproof gasket, 8mm thick steel plate, maximum door clear size 2000mm (H) x 1000mm (W).

**Rating:**

A-30 Fire rated Watertight/Weathertight/Gastight door. Watertightness designed for 1.2 Bar hydro test pressure; Gastightness designed for 0.15 Bar air test pressure.

**Service Restriction:**

- (1) Designed for 1.2 Bar Hydro test pressure, acting from either side. When located on a watertight bulkhead, it can be used only as an access door 'normally closed at sea' and provided with means indicating locally and on the bridge whether they are open or closed. A notice is to be permanently affixed on both sides of the door to the effect that it is to be kept closed while at sea.
- (2) Unit Certification is not required for this product. If the manufacturer or purchaser requests an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.
- (3) Continued compliance with the statutory requirements requires maintenance of full Type Approval. (The scope of Type Approval is to comply with MSC.1/Circ. 1221 dated 11 December 2006.)
- (4) Unless specially directed by the Administration, this type approval is not to be construed as a substitute for a flag Administration's approval for the purpose of SOLAS (Consolidated Edition 2020), as amended.
- (5) In those instances where flag Administration may have their own specific requirements e.g. USCG, specific flag Administration's approval may be required.

**Comments:**

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

**Notes/Drawing/Documentation:**

- 1) Drawing Title "A60 Watertight/Weathertight/Gastight Door", Drawing No. "PME-A60WT-1(1)", Rev. R4 (5 Sheets);
- 2) Drawing Title "Tested Bulkhead", Drawing No. "PME-A60WT-1(B1 & B2)", Rev. R3 (2 Sheets);
- 3) Fire Test Report No. 7191024359-MEC12-IHN dated 20 January 2012 issued by TÜV SÜD PSB Pte Ltd, Singapore.
- 4) ABS Surveyor Report No. JO1986759.R1 (Witnessing of Water/Weather/Gas tight Prototype Testing), signed by attending ABS Surveyor on 10 November 2011.
- 5) ABS Surveyor Report No. JO2091450 (Witnessing of Water/Weather/Gas tight Prototype Testing), signed by attending ABS Surveyor on 18 March 2012.

**Terms of Validity:**

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Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

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**STANDARDS****ABS Rules:**

(1) ABS Rules for Building and Classing Marine Vessel Rules (2022): 1-1-4/7.7, 1-1-A3, 1-1-A4, 3-2-9/5.1 & 5.3, 3-2-9/9.3.

(2) ABS Rules for Building and Classing Mobile Offshore Unit Rules (2022): 1-1-4/9.7, 1-1-A2, 1-1-A3, 3-3-2/5.3.2, 6-1-2/9.

(3) ABS Rules for Building and Classing Steel Barges (2022): 1-1-4/7.7, 1-1-A3, 1-1-A4, 3-2-6/5.1 & 5.3.

**National:**

NA

**International:**

SOLAS (Consolidated Edition 2020, as amended) Chapter II-2 Reg. 3.2; IMO 2010 FTP Code (2012 Edition), Annex 1, Part 3.

**Government:**

NA

**EUMED:**

NA

**OTHERS:**

NA