



CERTIFICATE NUMBER
EFFECTIVE DATE
EXPIRY DATE
ABS TECHNICAL OFFICE

20-1890959-PDA
12-Aug-2020
11-Aug-2025
Houston OED - Safety

CERTIFICATE OF Product Design Assessment

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

DEANSTEEL MANUFACTURING COMPANY

located at

931 S. FLORES ST., SAN ANTONIO, TX, United States, 78204-1406

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-60

Model IMO A-60 (W-A-60-SS Door)

This Product Design Assessment (PDA) Certificate remains valid until 11/Aug/2025 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

Daniel Hyun SON

Hyun Young Son, Engineer/Consultant

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 (2010)

DEANSTEEL MANUFACTURING COMPANY

931 S. FLORES ST.

SAN ANTONIO TX

United States 78204-1406

Telephone: 210-226-8271

Fax: 210-224-7910

Email: nvalentin@deansteel.com

Web: deansteel.com

Tier: 2 - PDA Issued

Product: Door, A-60

Model: IMO A-60 (W-A-60-SS Door)

Intended Service:

Marine and Offshore Applications.

Description:

Insulated joiner door assembly - IMO A-60 Door, 84" x 42", 3-1/8" thick leaf, with 10" x 10" window and stiffened stainless steel skins with marine insulation. The door assembly includes a WSS 3 point Mortise lock and two stainless steel hinges with stainless steel frame welded or bolted to the bulkhead.

Rating:

A-60 Fire Integrity Rating, as defined in IMO FTP Code Annex 1, Part3.

Service Restriction:

- 1) Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.
- 2) This product is not rated for water head. Additional structural strength evaluation, including detailed door scantling and analysis, may be required for specific ABS rules (ABS PAM Guide) or application.

Comments:

- 1) The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
- 2) Approval not performed on behalf of any flag administration.
- 3) The scope of Type Approval is to comply with MSC.1/Circ.1221 dated 11 December 2006.
- 4) Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that items are of the same standard as per tested/approved prototype.
- 5) All door should be installed in accordance with manufacturer's instruction and installation drawings.
- 6) The materials constructed in the door shall not be replaced by any other materials that have not been tested in accordance with IMO FTP Code. Seals and adhesives may be installed in construction of the door as matching to the tested prototype.
- 7) During installation of the fire rated doors, the attending Surveyor is to confirm that Fire doors are to be examined for compliance with ABS Mobile Offshore Units (MOU) Rules 5-1-1/3.17 and 6-1-8/3 or ABS Marine Vessel Rules (MVR) 3-4-1, or other applicable Standard.
- 8) Unless specifically directed by Administration, this approval is not to be construed as a substitute for Flag Administration's approval for the purpose of SOLAS 1974 (Consolidated Edition 2014), as amended.
- 9) This certificate may not be used for EU and US flagged vessels (MED and/or USCG have their own specifications/requirements).

Notes/Drawing/Documentation:

SWRI Test Report no.01.23234.01.604b[1], Fire Performance Evaluation of an A-Class Door Assembly, dated 31 July 2018.

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:**

2020 Marine Vessels Rules 1-1-4/7.7 & 1-1-3, 1-1-A4;

2020 Offshore Units and Structures 1-1-4/9.7, 1-1-A2, 1-1-A3;

National:

NA

International:

2010 IMO FTP Code (2012 Edition), Enters into force on 1 July 2012, Resolution. MSC.307(88), Annex 1, Part 3 (Adopted on 3 December 2010)

Government:

NA

EUMED:

NA

OTHERS:

NA