



CERTIFICATE NUMBER	21-2190981-PDA
EFFECTIVE DATE	18-Jan-2022
EXPIRY DATE	17-Jan-2027
ABS TECHNICAL OFFICE	Houston ESD - Offshore Equipment

## CERTIFICATE OF Product Design Assessment

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

### **PRATLEY MANUFACTURING (PTY) LTD.**

located at

**P.O. BOX 3055, KENMAR, South Africa, 1745**

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:** Explosion Proof Junction Box  
**Model:** Enviro Flameproof Junction Box  
**Endorsements:**  
**Tier:** 2 - PDA Issued

This Product Design Assessment (PDA) Certificate remains valid until 17/Jan/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

*Sohail A. Mohammed*

Sohail Ahmed Mohammed, 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)

**PRATLEY MANUFACTURING (PTY) LTD.**

P.O. BOX 3055

KENMAR

South Africa 1745

Telephone: 27-11-955-2190

Fax: 27-865-425332

Email: exports@pratley.com

Web: www.pratley.com

**Tier: 2 - PDA Issued**

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**Product:** Explosion Proof Junction Box

**Model:** Enviro Flameproof Junction Box

**Endorsements:**

**Intended Service:**

Marine & Offshore Applications

**Description:**

Non-metallic Cable Junction Box for terminating both armoured and unarmoured cable in explosive gas and dust atmospheres.

**Rating:**

Hazardous Area rating:

Ex db I Mb, Ex db IIB + H2 T6..T5 Gb

Ex tb IIIC T85..T100C Db

IP 66/68 (300m)

**Service Restriction:**

- 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.

**Comments:**

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

**Notes/Drawing/Documentation:**

Drawing No. 17200 DA, PRA BOX ENVIRO FLAMEPROOF N°1X4 DESCRIPTIVE ARRANGEMENT, Revision: A, Pages: 1

Drawing No. 2915, ENVIRO FLP BOX No.1 LID, Revision: A, Pages: 1

Drawing No. 2917, PRA ENVIRO FLP No. 1 BODY ASSY (AS MOULDED), Revision: A, Pages: 1

Drawing No. 2918, PRA ENVIRO FLP BOX No 1 - LID FASTENER INSERTS, Revision: A, Pages: 1

Drawing No. 3028, PRA ENVIRO FLP BOX No. 1 - LID GASKET, Revision: A, Pages: 1

Drawing No. 3084, DMC FLAMEPROOF BOX ENTRY INSERT, Revision: A, Pages: 1

Drawing No. 8683, M4 BRASS INSERT FOR KLIK-LOK BOX NO.1 & NO.2, Revision: A, Pages: 1

Drawing No. IECEx\_ICS\_21.0008, IECEx\_ICS\_21.0008, Revision: -, Pages: -

Drawing No. Inst Leaf, PRATLEY ENVIRO FLAMEPROOF Ex d BOX N°1 FITTING INSTRUCTIONS, Revision: A, Pages: 1

**Terms of Validity:**

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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.

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**STANDARDS**

**ABS Rules:**

Rules for Conditions of Classification, Part I - 2022 - 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:  
2022 Marine Vessel Rules: 4-8-3/1.7, 4-8-3/1.11, 4-8-3/9.21, 4-8-3/13, 4-8-4/27.5.1

Rules for Conditions of Classification, Part I - 2022 - Offshore Units and Structures, 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:

2022 Mobile Offshore Unit Rules: 4-3-1/11; 4-3-1/15; 4-3-3/3.1.1(a); 4-3-3/9.1, 4-1-1/7.9, 4-3-3/9.1.1 & 9.1.2, 6-1-1/9, 6-1-1/13

**National:**

NA

**International:**

IECEX ICS 21.0008X

**Government:**

NA

**EUMED:**

NA

**OTHERS:**

NA