



CERTIFICATE NUMBER  
19-HS1833775-PDA

DATE  
04 Jun 2019

ABS TECHNICAL OFFICE  
Houston Materials

# CERTIFICATE OF DESIGN ASSESSMENT

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

## **ITW PERFORMANCE POLYMERS,**

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: **Chocking**

Model: **Chockfast Orange, PR-610TCF**

This Product Design Assessment (PDA) Certificate 19-HS1833775-PDA, dated 04/Jun/2019 remains valid until 03/Jun/2024 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

AMERICAN BUREAU OF SHIPPING

Tim Kimble  
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 the terms and conditions as contained in ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).

## ITW PERFORMANCE POLYMERS

130 COMMERCE DRIVE  
MONTGOMERYVILLE PA  
United States 18936  
Telephone: +1 215-855-8450  
Fax: +1 215-855-4688  
Email: orders.na@itwep.com  
Web: www.itwengineeredpolymers.com

**Tier: 3 - Type Approved, unit certification not required**

---

**Product:** Chocking

**Model:** Chockfast Orange, PR-610TCF

**Intended Service:**

Marine and Offshore Applications - Chockfast Orange is used to chock propulsion machinery, generators, auxiliary equipment, tail shaft/stern tube shaft bearings and deck machinery. Also used to install stern tube, strut and rudder bearings.

**Description:**

Epoxy Chocking Resin (See attached "PDF" Technical Bulletin No. 659H and 692D for Description and Application).

**Rating:**

Compressive Strength: 1336 kg/cm<sup>2</sup> (19,000 psi) ASTM D-695 (Mod.);  
Tensile Strength: 349 kg/cm<sup>2</sup> (4,970 psi) ASTM D-638;  
For other physical properties see Technical Bulletin No. 659H and 692D.

**Service Restriction:**

- 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.
- Storage instructions and expiration dates are to be clearly marked on the packaging (See Technical Bulletin No. 1039).

**Comments:**

- The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
- The product is to be applied in accordance with the manufacturer's recommended procedures (see the latest Technical Bulletin No. 659H dated March 2019).

**Notes/Drawing/Documentation:**

Drawing No. PO14022019ABS Order for PDA PDA DUB (003), Purchase Order 142022019ABS, Revision: -, Pages: -  
Drawing No. Lloyd's Register Technical Report No. 07/4147 dated Sep 07, Revision: -, Pages: 15  
Drawing No. Bureau Veritas Type Approval Certificate No. 02845/J0 BV expires 06 Apr 2023, Revision: -, Pages: 2  
Drawing No. Russian Maritime Register of Shipping Type Approval Certificate No. 17.00252.278 expires 12 Oct 2022, Revision: -, Pages: 2  
Drawing No. DNV-GL Type Approval Certificate No. TAM0000055 expires 31 Dec 2023, Revision: 2, Pages: 3  
Drawing No. Korean Register Type Approval Certificate No. NYK02052-CH001 expires 31 Aug 2021, Revision: -, Pages: 2  
Drawing No. NKK Type Approval Certificate No. TA17586M expires 25 Dec 2022, Revision: -, Pages: 2  
Drawing No. RINA Type Approval Certificate No. MAC149415CS expires 09 Jul 2020, Revision: -, Pages: 2  
Drawing No. Lloyd's MA Certificate No. MATS/3785/2 expires 31 Aug 2020, Revision: -, Pages: 1

**Supporting Data (previous task):**

Technical Bulletin No. 659H, dated March 2019, 2 pages;  
Technical Bulletin No. 1039 dated November 2010;  
Technical Bulletin No. 692G dated August 2018, 7 pages;  
Product Identification Sheet, Chockfast Orange Resin, 4 pages;  
Product Identification Sheet, Chockfast Orange Hardener, 4 pages;

**Terms of Validity:**

This Product Design Assessment (PDA) Certificate 19-HS1833775-PDA, dated 04/Jun/2019 remains valid until 03/Jun/2024 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

## **ITW PERFORMANCE POLYMERS**

130 COMMERCE DRIVE  
MONTGOMERYVILLE PA  
United States 18936  
Telephone: +1 215-855-8450  
Fax: +1 215-855-4688  
Email: orders.na@itwep.com  
Web: www.itwengineeredpolymers.com

**Tier: 3 - Type Approved, unit certification not required**

---

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

### **STANDARDS**

#### **ABS Rules:**

2019 Marine Vessels Rules 1-1-4/7.7, 1-1-A3, 1-1-A4, 4-1-1/Table 2, 4-2-1/11.5, 4-3-2/11.1.4

#### **National:**

NA

#### **International:**

NA

#### **Government:**

NA

#### **EUMED:**

NA

#### **OTHERS:**

Manufacturer's Technical Documentation: Technical Bulletin No. 659H dated March 2010, Technical Bulletin No. 692D dated August 2005 and 1039 dated November 2010;