



## Confirmation of Product Type Approval

**Company Name:** ENECON CORPORATION

**Address:** 6 PLATINUM COURT NY 11763 United States

**Product:** Repair, Concrete Repair Compound

**Model(s):** ENECRETE DuraQuartz

<b>Certificate Type</b>	<b>Certificate Number</b>	<b>Issue Date</b>	<b>Expiry Date</b>
Product Design Assessment (PDA)	15-HS1446840-PDA	09-MAY-2016	05-MAY-2021
Manufacturing Assessment (MA)	18-NY3568040	11-OCT-2018	10-OCT-2023
Product Quality Assurance (PQA)	NA	NA	NA

### **Tier**

3

### **Intended Service**

Marine & Offshore Application - Repair of Concrete, Tile, and Stone Surfaces, etc.

### **Description**

Enecrete DuraQuartz is a three-component, 100% Solids, Concrete Repair Compound that can be mixed to consistencies varying from a viscous Liquid to a thick Mortar.

### **Ratings**

Compressive Strength: 15,500 psi

Compressive Modulus: 640,000 psi

Compressive Stress: 13,000 psi

Flexural Modulus: 310,000 psi

Coefficient of Expansion:  $3.5 \times 10^{-6}$  in/°C

Izod impact strength: 0.5 ft-lbs/in

Hardness - Shore D: 88

Surface resistivity:  $1 \times 10^{15}$  ohms

Volume resistivity:  $1 \times 10^{15}$  ohm/cm

Dielectric Strength: 210 volts/mil

Dielectric constant: 7.5

See attached "pdf" for more Technical details

### **Service Restrictions**

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.

- 1) All repairs are to be carried out in accordance with Manufacturer's Recommendations and procedures.
- 2) If the repair involves any pressure containing or force transmitting component, details of the proposed repair require ABS approval.
- 3) Marking of product:

Product/package shall be marked with manufacturer's name; ENECON CORPORATION (641044), 6 PLATINUM COURT, MEDFORD, NY, United States and type designation.

### **Notes, Drawings and Documentation**

Drawing No. Correspondence, Dec of Conf 15Oct22\_Cert 00-HS124117A-1-PDA, Revision: -, Pages: 1

Drawing No. Correspondence, Application Revalidation 15Oct22 Cert\_ 00-HS124117A-1-PDA, Revision: -, Pages: 1

Drawing No. Marine Applications of ENECON Products, Revision: -, Pages: 7

Drawing No. ENECON Corporation's Nuclear Power Plant Experiences, Revision: -, Pages: 10

Drawing No. ENECON Photo of application for Marine industries, Revision: -, Pages: 11

### **Term of Validity**

This Product Design Assessment (PDA) Certificate 15-HS1446840-PDA, dated 06/May/2016 remains valid until 05/May/2021 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.

### **ABS Rules**

Rules for Conditions of Classification, Part 1 2016 Steel Vessels Rules 1-1-4/7.7, 1-1-A3, 1-1-A4;

2016 ABS Rules for Conditions of Classification, Part 1 – 2016 Offshore Units and Structures 1-1-4/9.7, 1-1-A2, 1-1-A3;

### **International Standards**

NA

### **EU-MED Standards**

NA

**National Standards**

- ASTM C-109 (Mar 2016)
- ASTM D-149 (Apr 2013)
- ASTM D-150 (Aug 2011)
- ASTM D-256 (May 2010)
- ASTM D-257 (Apr 2014)
- ASTM D-696 (Apr 2016)
- ASTM D-790 (Apr 2010)
- ASTM D-1002 (Oct 2010)
- ASTM D- 2240 (Jan 2010)

**Government Standards**

NA

**Other Standards**

NA



A handwritten signature in blue ink, appearing to read 'Joseph W. ...', is written over the printed text.

Corporate ABS Programs  
American Bureau of Shipping  
Print Date and Time: 03-Oct-2019 9:48

ABS has used due diligence in the preparation of this certificate, and it represents the information on the product in the ABS Records as of the date and time the certificate is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

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 prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.