



CERTIFICATE NUMBER	23-2423471-PDA
EFFECTIVE DATE	14-Jul-2023
EXPIRY DATE	13-Jul-2028
ABS TECHNICAL OFFICE	Rotterdam Materials Eng

## CERTIFICATE OF Product Design Assessment

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

**WEICON GMBH & CO. KG**

located at

**KOENIGSBERGER STRASSE 255, , DE - 48157 MUENSTER,  
Germany**

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:** Epoxy Adhesive  
**Model:** WEICON Easy-Mix HT 250  
**Endorsements:**  
**Tier:** 2 - PDA Issued

This Product Design Assessment (PDA) Certificate remains valid until 13/Jul/2028 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

Nikolaos (Nikos Vrellos) Vrellos, 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)

**WEICON GMBH & CO. KG**

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Web: www.weicon.com

**Tier: 2 - PDA Issued**

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**Product:** Epoxy Adhesive  
**Model:** WEICON Easy-Mix HT 250  
**Endorsements:**

**Intended Service:**

Bonding of components, which are thermo-coated (powder-coated) after curing, such as aluminium profiles to create windows used in marine and offshore.

**Description:**

WEICON Easy-Mix HT 250 is a two component, 2-C, adhesive based on epoxy resin with a resistance to high temperature, retaining over 80 % of it's strength even in continuous operation of up to +200 °C. It exhibits a particularly high adhesion to metals and fiberglass and it is resistant to substances, such as hot and cold water, motor oil and glycol.

**Rating:**

Temperature range: -50 °C to +200 °C, briefly up to +250 °C

Tensile strength: 50 MPa

Hardness: min. 90 Shore D

**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.
- In case of windows for Marine and Offshore vessels
- Adhesive bonded windows are not acceptable for boundaries that are to comply with structural fire protection requirements, unless test data can be provided indicating that the joint complies with the necessary regulations.
  - The product is not to be used as a glazing sealant for attaching the glass to windows frame.
  - The product is not to be used solely for attaching windows on the hull of the vessel.

**Comments:**

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

Bonded windows for Marine and Offshore vessels are to be of an approved design.

**Notes/Drawing/Documentation:**

Drawing No. EN\_GB\_TDS\_10650855\_WEICON\_Easy-Mix\_HT\_250\_Epoxy\_Adhesive, Material Properties

Drawing No. Epoxy Resin Questionnaire HT 250, Product Characteristics

Drawing No. HT\_250\_Pruefbericht\_Intertek\_UL94HB\_20201019, Flammability test

Drawing No. MSDS\_106561\_UK\_EN\_Easy-Mix HT 250 Epoxy Adhesive Resin, Resin MSDS

Drawing No. MSDS\_106562\_UK\_EN\_Easy-Mix HT 250 Epoxy Adhesive Hardener, Hardner MSDS

Drawing No. Reference\_Aluminium-Profiles, Product Example

Drawing No. Type Approval Request Form HT 250 CEO-ATT-00920 Rev, PDA Request Form,

**Terms of Validity:**

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**STANDARDS**

**ABS Rules:**

Rules for Condition of Classification, Part 1 – 2023, 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:

2023 Marine Vessels Rules 3-1-2/ 17, 4-1-1/3.1

2023 Yachts Rules 3-2-12

2023 High Speed Craft Rules 3-2-11

Rules for Condition of Classification, Part 1 – 2023 – Offshore units and Structures, 1-1-4/7.7, 1-1-A2, 1-1-A3, which covers the following:

2023 Mobile Offshore Units 4-1-1/3.1

**National:**

NA

**International:**

UL94 (June 2020) Test For Flammability Of Plastic Materials For Parts In Devices And Appliances.

**Government:**

NA

**EUMED:**

NA

**OTHERS:**

Client Specifications