



CERTIFICATE NUMBER 26-0531591-PDA  
EFFECTIVE DATE 03-Mar-2026  
EXPIRY DATE 02-Mar-2031  
ABS TECHNICAL OFFICE Houston Materials

## CERTIFICATE OF Product Design Assessment

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

### **DANTECH OFFSHORE & MARINE GROUP LLC**

located at

**2660 NW 15TH CT STE 104, , POMPAÑO BEACH, FL, United  
States, 33069-1500**

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:** Synthetic Repair Compounds & Resins  
**Model:** UNIGRIP 101 Super Guard  
UNIGRIP 201 Super Metal Filler Compound  
UNIGRIP 301 Fast Steel Epoxy Sticks  
UNIGRIP 401 Fiberglass Pipe Repair Tape  
UNIGRIP 501 Exhaust Repair Compound  
UNIG...

**Endorsements:**

**Tier:** 2 - PDA Issued

This Product Design Assessment (PDA) Certificate remains valid until 02/Mar/2031 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

Satya P.K. (Satya Meruva) Meruva, Manager

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)

**DANTECH OFFSHORE & MARINE GROUP LLC**

2660 NW 15TH CT STE 104

POMPANO BEACH FL

United States 33069-1500

Telephone:

Fax:

Email: dlc@dantech-group.com

Web:

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**Product:** Synthetic Repair Compounds & Resins  
**Model:** UNIGRIP 101 Super Guard  
UNIGRIP 201 Super Metal Filler Compound  
UNIGRIP 301 Fast Steel Epoxy Sticks  
UNIGRIP 401 Fiberglass Pipe Repair Tape  
UNIGRIP 501 Exhaust Repair Compound  
UNIGRIP 601 Super Cast Compound  
UNIGRIP 701 AquaGuard - Epoxy Coating

**Endorsements:**

**Intended Service:**

The composite pipe repair wrap systems intended for the repair of metallic and non-metallic piping systems. Repair compounds, fillers, casting materials, and protective coatings intended for patching, sealing, rebuilding, and resurfacing of worn or damaged components.

**Description:**

UNIGRIP 101 Super Guard:

Two-part Epoxy based compound

UNIGRIP 201 Super Metal Filler Compound:

Two-part Epoxy based compound use above and below the waterline

UNIGRIP 301 Fast Steel Epoxy Sticks

Two-part Epoxy based compound use above and below the waterline

UNIGRIP 401 Fiberglass Pipe Repair Tape:

Glass fiber-reinforced polyurethane resin system.

UNIGRIP 501 Exhaust Repair Compound:

Asbestos-free high-temp resistant compound. Based on alkaline silicates and water glass.

UNIGRIP 601 Super Cast Compound

Two-part Epoxy based compound.

UNIGRIP 701 AquaGuard - Epoxy Coating

Two-part Epoxy based compound use underwater, in the splash zone and above the waterline

**Rating:**

UNIGRIP 101 Super Guard:

Temperature Resistance: 356°F (180°C)

UNIGRIP 201 Super Metal Filler Compound

Temperature Resistance: 230°F (110°C)

UNIGRIP 301 Fast Steel Epoxy Sticks:

Temperature Resistance: 302°F (150°C)

UNIGRIP 401 Fiberglass Pipe Repair Tape:

Temperature Resistance: 302°F (150°C)

Maximum pipe pressure with Unigrip Putty: 1,500 psi (103 Bar)

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Maximum pipe pressure without Unigrip Putty: 145 psi (10 Bar)

UNIGRIP 501 Exhaust Repair Compound  
Temperature Resistance: 2372°F (1300°C)

UNIGRIP 601 Super Cast Compound:  
Temperature Resistance: 230°F (110°C)

UNIGRIP 701 AquaGuard - Epoxy Coating  
Temperature Resistance: 230°F (110°C)

Please also refer to the attached technical data sheets for complete product ratings.

#### Service Restriction:

- 1.) Unit Certification is not required for this product.
- 2.) Prior to each repair, a repair plan shall be prepared and discussed with the attending ABS Surveyor.
- 3.) Engineering calculations are required when repair applications exceed manufacturer-published approved Technical Data Sheet limits or involve non-standard configurations.
- 4.) Repairs performed fully within published approved TDS limits may be accepted without additional calculations at the discretion of the attending Surveyor.
- 5.) 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.
- 6.) Service conditions, and acceptance criteria applicable to composite pipe repair systems shall apply only to the relevant wrap products and shall not be interpreted as applicable to repair compounds or coatings unless explicitly stated.
- 7.) When applied in accordance with the manufacturer's instructions and within published approved Technical Data Sheet limits, the composite repair systems may be accepted as long-term repairs subject to surveyor acceptance and service conditions.

#### Comments:

- 1.) The manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
- 2.) Prior to each repair, a reconditioning plan is to be prepared and discussed with the attending ABS Surveyor. The repair plan is to include as minimum the material to be removed from the affected machinery part, the cleaning and inspection methodology, the thickness of the epoxy resin applied, any curing taken place, etc. When required, calculations showing that the manufacturer's specified minimum allowable strength and corresponding thickness/diameter are maintained, are to also be carried out.
- 3.) This coating has been type approved as complying with the identified Standards.
- 4.) Proper application in accordance with the Manufacturer's Instruction is needed, which should reflect the application of the test cases used to determine compliance.
- 5.) ABS expressly disclaims all warranties with respect to the coating and the design assessment, including warranties of merchantability and fitness for a particular purpose. Successful coating is dependent on coating properties (some of which may not have been addressed in the approval standard), proper application (including surface prep, application, curing environment, etc.) and proper maintenance. These aspects are beyond the scope of this type approval.

#### Notes/Drawing/Documentation:

- Drawing No. 18 600 002, Certificate of Conformity, Revision: -, Pages:  
Drawing No. 701 TDS, Unigrip Aqua Guard, Revision: -, Pages:  
Drawing No. 18 600 005, Certificate of Conformity, Revision: -, Pages:  
Drawing No. 0058-BR-LAB-sl-25, Lab Report, Revision: -, Pages:  
Drawing No. 201 SDS, Unigrip Super Metal Filler, Revision: 1.0.0, Pages:  
Drawing No. NL029176, ISO 14001, Revision: -, Pages:  
Drawing No. 301 SDS, Unigrip FastSteel Putty Stick, Revision: 1.0.0, Pages:  
Drawing No. 0059-BR-LAB-sl-25, Lab Report, Revision: -, Pages:  
Drawing No. 101 SDS, Unigrip Super Guard, Revision: 1.0.0, Pages:

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Drawing No. GB19 964972, ISO 9001-2015, Revision: -, Pages:  
Drawing No. 501 SDS, Unigrip Exhaust Repair Compound, Revision: 1.0.0, Pages:  
Drawing No. 101 TDS, Unigrip Super Guard, Revision: -, Pages:  
Drawing No. Client Letter 4, Unigrip products for ABS certification, Revision: -, Pages:  
Drawing No. 501 TR, Technical Properties and Lab Test, Revision: -, Pages:  
Drawing No. 0060-BR-LAB-sl-25, Lab Report, Revision: -, Pages:  
Drawing No. 301 TDS, Unigrip FastSteel Epoxy Putty Stick, Revision: -, Pages:  
Drawing No. 401 SDS, Unigrip Pipe Repair Tape, Revision: 1.0.0, Pages:  
Drawing No. 401 TDS, Unigrip Pipe Repair Tape, Revision: -, Pages:  
Drawing No. Client Letter 3, Change Control Statement, Revision: -, Pages:  
Drawing No. 701 SDS, Unigrip Aqua Guard, Revision: 1.0.0, Pages:  
Drawing No. 501 TDS, Unigrip Exhaust Repair Compound, Revision: -, Pages:  
Drawing No. 16 001 001, Certificate of Conformity, Revision: -, Pages:  
Drawing No. 601 TDS, Unigrip SuperCast Compound, Revision: -, Pages:  
Drawing No. 601 SDS, Unigrip SuperCast Compound, Revision: 1.0.0, Pages:  
Drawing No. 201 TDS, Unigrip Super Metal Filler, Revision: -, Pages:  
Drawing No. 01 100 102101, ISO 9001-2015, Revision: -, Pages:  
Drawing No. 08 Aug 25, Standard Roscoat Physical Properties, Revision: -, Pages:  
Drawing No. 28 200 005, Certificate of Conformity, Revision: -, Pages:

#### Terms of Validity:

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#### STANDARDS

##### ABS Rules:

ABS Rules for Building and Classing Marine Vessel Rules (2026): 1-1-4/7.7, 1-1-A3, 1-1-A4, 4-1-1/3.3  
ABS Mobile Offshore Units (2026) 1-1-4/9.7, 1-1-A2, 1-1-A3

##### National:

ASTM D149-20  
ASTM D695-26  
ASTM D1002-10 (2019)  
ASTM D2240-15 (2021)  
ASTM D2566-86  
ASTM E831-25

##### International:

ISO 527-2:2025  
ISO 604:2002  
ISO 868:2003  
ISO 1522:2022

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ISO 4624: 2023

ISO 7784-2: 2023

DIN 53213-1:1978

DIN 53217-4:1991

DIN 53452:1977

**Government:**

NA

**EUMED:**

NA

**OTHERS:**

NA