



Confirmation of Product Type Approval

Please refer to the "Service Restrictions" shown below to determine if Unit Certification is required for this product. This certificate reflects the information on the product in the ABS Records as of the date and time the certificate is printed.

Pursuant to the Rules of the American Bureau of Shipping (ABS), the manufacturer of the below listed product held a valid Manufacturing Assessment (MA) with expiration date of 14-APR-2020. The continued validity of the Manufacturing Assessment is dependent on completion of satisfactory audits as required by the ABS Rules.

And; a Product Design Assessment (PDA) valid until subject to continued compliance with the Rules or standards used in the evaluation of the product.

The above entitle the product to be called Product Type Approved.

The Product Design Assessment is valid for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

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.

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.

Product Name: FRP Grating

Model Name(s): Safety-T-Span I Series Phenolic (Bar Spacing Maximum of 38 mm)

Presented to:

FIBERGRATE COMPOSITE STRUCTURES
P.O. BOX 208
900 FM 205
TX 76401
United States

Intended Service:

Marine and Offshore Installations - Personnel Walkways, Catwalks Ladders, Platforms, or other access areas in Cargo Holds, Cargo Tanks, Fuel Oil Tanks, Ballast Water Tanks, Cofferdams, Void Spaces, Double Bottoms, Pipe Tunnels, and Open Deck Spaces.

Description:

Pultruded Fiberglass Reinforced Grating based on Phenolic Resin.

Tier:

3

Ratings:

Depth: 1-1/2" ASTM E-84 Flame Spread Index/Smoke Developed Index = 15/450. USCG PFM 2-98, Level 2(L2), except for accommodation, service and control spaces.

Service Restrictions:

Unit Certification is not required for this product. If the manufacturer or purchaser's request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined. i) Consult the USCG PFM Structural Fire Integrity Matrix for additional information as to location and intended service. ii) Maximum unsupported span of 1120 mm (44 in), bearing bar thickness of 38 mm (1.5 in), and bearing bar maximum spacing of 38 mm (1.5 in) on center. iii) Not to be used as walkways or areas which may be used for escape or access for firefighting,

emergency operation or rescue.

Comments:

Duplicate PDA resides with Corgrate Fiberglass Systems SA De CV - MEXICO. i) The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product. ii) This approval was not done on behalf of a particular Administration. iii) As of July 2004, the I6015-P product is USCG rated for Level 2 locations as per the USCG Policy File Memorandum 2-98 (see USCG Approval Certificate No. 164.040/2/2).

Notes / Documentation:

Intertek Report no. 3181395SAT-015_Rev. 1, Testing Phenolic Grating for Compliance with U.S. Coast Guard PFM 2-98; Intertek Report no. 3181395SAT-006 B Rev. 2, "I6015 P Phenolic UV Coated" for compliance with ASTM E-84-09; USCG Approval Certificate 164.040/0000002/2; Brochure of Safe-T-Span I-6015P; See Attached Brochure Brochure of Pultruded Phenolic Grating. See Attached Brochure

Term of Validity:

This Product Design Assessment (PDA) Certificate 15-VC1347081-1-PDA, dated 08/Mar/2016 remains valid until 14/Apr/2020 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:

The Rules for Conditions of Classification, Part 1 2016 Steel Vessels Rules 1-1-4/7.7, 1-1-Appendix 3, 1-1-Appendix 4. The Rules for Conditions of Classification, Part 1 2016-Offshore Units and Structures 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following: Facilities on Offshore Installations Appendix 3/1, 3, 5.3, 5.5.1, 5.7.1, 7.3, 7.5, 9.

National Standards:

2005 ASTM E-84-05 "Standard Test Method for Surface Burning Characteristics".

International Standards:

Government Authority:

EUMED:

Others:

Model Certificate	Model Certificate No	Issue Date	Expiry Date
PDA	15-VC1347081-1-PDA	10-MAR-2016	14-APR-2020

ABS Programs

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 was printed. Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. Limited circumstances may allow only Prototype Testing to satisfy Type Approval. The approvals of Drawings and Products remain valid as long as the ABS Rule, to which they were assessed, remains valid. ABS cautions manufacturers to review and maintain compliance with all other specifications to which the product may have been assessed. Further, unless it is specifically indicated in the description of the product; Type Approval does not necessarily waive witnessed inspection or survey procedures (where otherwise required) for products to be used in a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS. 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.