



Confirmation of Product Type Approval

Company Name: GURIT AMERICAS INC.

Address: 555 BOUL POIRIER MAGOG J1X 7L1 Canada

Product: Structural Core (Foam)

Model(s): Corecell M-Foam: M60, M80, M100, M130, M200

Endorsements:

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	24-0070921-PDA	29-AUG-2024	28-AUG-2029
Manufacturing Assessment (MA)	22-5486288	27-OCT-2022	19-NOV-2027
Product Quality Assurance (PQA)	NA	NA	NA

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3 - Type Approved, unit certification not required

Intended Service

A Sandwich Core Material for Reinforced Plastic Vessels and Structures.

Description

Corecell is a crosslinked polymer structural foam from the styrene-acrylonitrile (SAN) polymer.

CoreCell is a closed cell, rigid foam suitable for a wide range of demanding structural applications and different composite manufacturing processes.

CoreCell is also fully compatible with polyester, vinylester, and epoxy resins, as well as all commonly used epoxy prepreg systems.

Ratings

Corecell is produced in the following density ranges:

M60: 61-69 kg/m³ (3.8-4.3 lb/ft³)

M80: 81-89 kg/m³ (5.1-5.6 lb/ft³)

M100: 100-115 kg/m³ (6.2-7.2 lb/ft³)

M130: 130-150 kg/m³ (8.1-9.4 lb/ft³)

M200: 185-215 kg/m³ (11.5-13.4 lb/ft³)

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.

Notes, Drawings and Documentation

Drawing No. (Corecell M-Foam M60,M80,M100,M130,M200) (Corecell M-Foam M60,M80,M100,M130,M200), Revision: -, Pages

Term of Validity

This Product Design Assessment (PDA) Certificate remains valid until 28/Aug/2029 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.

ABS Rules

2024 Rules for Materials and Welding – Aluminum and Fiber Reinforced Plastics (FRP) 2-6-1/5.1

2024 Rules for Building and Classing Marine Vessels 1A-1-4/7.7, 1A-1-A3, 1A-1-A4

2024 Rules for Conditions of Classification - Offshore Units and Structures: 1B-1-4/9/7, 1B-1-A2, 1B-1-A3

International Standards

NA

EU-MED Standards

NA

National Standards

2023 ASTM D-1621-16

2020 ASTM C-273/C273M-19

2023 ASTM D1623-17

Government Standards

NA

Other Standards

NA





Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 07-Jan-2025 8:52

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.