



CERTIFICATE NUMBER
EFFECTIVE DATE
EXPIRY DATE
ABS TECHNICAL OFFICE

19-HS1923804-PDA
06-Dec-2019
05-Dec-2024
Houston Materials

CERTIFICATE OF Product Design Assessment

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

SUPERIOR PRODUCTS INTERNATIONAL II, INC.

located at

10835 W. 78TH STREET, SHAWNEE, KS, United States, 66214.

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 Coating, Fire Resistive

Model SUPER THERM®

This Product Design Assessment (PDA) Certificate remains valid until 05/Dec/2024 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

Tim Kimble, 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)

SUPERIOR PRODUCTS INTERNATIONAL II

10835 W. 78TH STREET

SHAWNEE KS

United States 66214.

Telephone: 913-669-2550

Fax:

Email: trcappel@spicoatings.com

Web: www.spicoatings.com

Tier: 3 - Type Approved, unit certification not required

Product: Coating, Fire Resistive

Model: SUPER THERM®

Intended Service:

Bulkhead, Ceilings and Decks in Marine Applications where compliance with IMO requirements for Smoke and Toxicity and Low Surface Flammability are indicated.

Description:

Multi-ceramic, water-borne coating that reflects and repels solar radiational heat for metal, concrete, masonry, wood and most other surfaces.

Utilizes a thin, flexible coating film to block the absorption of solar heat and maintain a surface temperature within 5 – 10 degrees of ambient air temperature and to prevent thermal shock.

Provides a watertight barrier that resists corrosion, mold, and mildew.

Coating film thickness - 17 mils (wet), 10 mils (dry).

Rating:

Meets Parts 2 (Smoke & Toxicity) and 5 (Surface Flammability) of the IMO FTP Code, 2010

Service Restriction:

- 1) Unit Certification is not required for this product.
- 2) 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.
- 3) General shipboard and offshore use.
- 4) This product may not be used solely in order to provide A-Class, B-Class or F-Class fire resistance to coated surfaces where such classification is required, unless further testing has been performed and approval has been achieved.
- 5) This product may not be used as a primary deck covering if
 - (a) required to be not readily ignitable, and
 - (b) it is placed underneath any other floor covering, without further testing.
- 6) This product may not be used in applications requiring intumescent coatings.

Comments:

- 1) The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
- 2) Approval is not on behalf of any Flag Administration.
- 3) Application and use are to be to the manufacturer's instructions and the limitations set forth herein.
- 4) ABS assessment regarding performance is limited solely to the characteristics tested and for which the ratings are as stated above.

Notes/Drawing/Documentation:

Drawing No. L-ABS DECLARATION OF CONFORMITY-SIX COATINGS (08-26-19)-TKIMBLE, Declaration of Conformity_ 6 PDAs, Revision: -, Pages: 1

Drawing No. MSDS (ST-11-00) - Super Therm, MSDS (ST-11-00) - Super Therm, Revision: -, Pages: 1

Drawing No. PO #191002-ABS Recertification (10-2-19) (002), Purchase Order 191002, Revision: -, Pages: 1

Drawing No. Technical Data Sheet (03-1-19) - Super Therm, Technical Data Sheet (03-1-19) - Super Therm, Revision: -, Pages: 1

Supporting Documentation (previous task):

- 1) VTEC Labs.Inc. Report 100-1207-11, 12 Nov. 01.
- 2) VTEC Labs.Inc. Report 100-1207-10, 22 Oct 01.
- 3) SPI Tech Info - Super Therm®; Apr.04.
- 4) SPI Tec. Data -Super Therm®; Feb. 09.

Terms of Validity:

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Tier: 3 - Type Approved, unit certification not required

Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

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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.

STANDARDS

ABS Rules:

Rules for Conditions of Classification, Part 1 - 2019, 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:

- Steel Vessels;
- Steel Vessels Under 90 Meters (295 feet) in Length;
- Offshore Support Vessels;

Rules for Conditions of Classification, Part 1 - 2019 Offshore Units and Structures 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:

- Mobile Offshore Drilling Units;

National:

NA

International:

IMO FTP Code, 2010, Parts 2 and 5

Government:

NA

EUMED:

NA

OTHERS:

NA