



03-17-2023

THERMAL SPRAY SOLUTIONS

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Attention: Phillip Bess

This is in reference to your request of Manufacturing Assessment Audit on 03-Mar-2023. The review of your Quality Assurance System submittals and a Manufacturing Assessment audit of your facility have been satisfactorily completed.

We are therefore pleased to issue a Certificate of Manufacturing Assessment No. 23-5721363, valid until 19-MAR-2028. The product category of the products that have valid Certificate of Product Design Assessment (PDA) and PDA-Duplicates for will be shown as “**Type Approved**.” An electronic copy of Confirmation of Product Type Approval will be downloadable from the ABS Type Approval Database.

A Confirmation of Product Type Approval represents that the product design meets the ABS Rules or Guides, statutory, industrial or manufacturer's standards described in the PDA and that the manufacturer has established a systematic quality monitoring system sufficient to show its capacity to consistently manufacture a product which meets the designated standards.

The MA Certificate will remain valid for five years, **subject to annual audits or surveillance audits and no changes to the scope and conditions of approval**. The audit window of MA audits is as follows:

- MA annual audits – 90 days before or after the anniversary date
- MA renewal audits – 90 days before or after the expiry date

When an audit is more than three months overdue, the MA will be automatically archived and product category will be reverted to “Design Assessed.”

If a new MA Certificate is issued with the same expiry date due to product/company name/company address changes during the original MA Certificate's validity, the anniversary date of the original MA is to be used as reference.

Each MA Certificate is location specific and non-transferrable.

Your company is eligible to use the ABS “Type Approved Product” logo for marketing purpose. The art work may be obtained by contacting ABS Programs at absta-programs@eagle.org.

Please recognize that **Product Type Approval will not waive Unit Certification** or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. Such requirements can be found in the "Service Restriction" section in each PDA Certificate. Should ABS Unit Certification is required, please contact the responsible ABS Survey Office to witness any required surveys and tests.

We also remind you of the implementation of MEPC 269(68) 2015 Guidelines for the Development of the Inventory of Hazardous Materials which requires reporting of hazardous materials and requires a Material Declaration in accordance with section 6.2 and a Suppliers Declaration of Conformity in accordance with 7.2.

If at any time you wish to change the information published in the ABS Type Approval Database, please email ABS Programs at absta-programs@eagle.org

The Manufacturer shall notify ABS in writing of any product non-conformity resulting in the issuance of a Safety/Service Alert and Bulletin, including root causes and impact to the industry or vessels.

Unless the change is submitted to ABS for a new evaluation and audit, any of the following events will cause immediate suspension of the Certificate of PDA and/or MA.

- a) Redesign of the product or products covered by a Certificate of PDA or PDA-DUP;
- b) Change in production methods;
- c) Change in management organization or Quality Assurance System;
- d) Change in frequency or curriculum for personnel training;
- e) Refusing access to ABS personnel for periodic or annual audits;
- f) Failure to correct a non-compliance and deficiencies during an audit or in service;
- g) Failure to inform ABS of the latest Safety/Service Alert and/or Bulletin and prove the corrective measures are taken;
- h) Where willful misrepresentations or omissions are ascertained;
- i) Failure to pay ABS fees.

We look forward to working with you and encourage you to contact the undersigned for any questions of the ABS Type Approval Program.

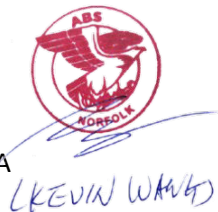
Sincerely Yours,

Kevin Wang

ABS

Senior Surveyor | Auditor

Norfolk Port, Virginia, USA

A red circular stamp with the text "ABS" at the top and "NORFOLK" at the bottom. Inside the circle is a stylized eagle. A blue ink signature, which appears to be "KEVIN WANG", is written across the stamp.