



CERTIFICATE NUMBER

DATE

00-HS187763/2-PDA

02 March 2009

ABS TECHNICAL OFFICE

Houston Materials

## CERTIFICATE OF DESIGN ASSESSMENT

This is to Certify that a representative of this Bureau did, at the request of  
**ROYAL COATINGS INCORPORATED - BELLE CHASSE**

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. It will remain valid as noted below or until the Rules or specifications used in the assessment are revised (whichever occurs first).

PRODUCT: Coating, Anticorrosive Epoxy

MODEL: Easy Prime/Easy Flex

ABS RULE: 2009 Steel Vessels Rules 1-1-4/7.7, 1-1-A3

OTHER STANDARD: ASTM B117, D522, D570, D1653, D2370, D2794, D3363, D4541, G8, ANSI / NSF Std 61 (UL Cert 090301-MH18325, 9 March 01);

AMERICAN BUREAU OF SHIPPING

Tim Kimble

Engineering Type Approval Co-ordinator

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 the terms and conditions as contained in ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).

## ROYAL COATINGS INCORPORATED

2705 CONCORD ROAD  
BELLE CHASSE  
LA 70037  
United States  
Telephone: 504-392-8811  
Fax: 504-392-2173

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**Product:** Coating, Anticorrosive Epoxy

**Model:** Easy Prime/Easy Flex

**Intended Service:**

Coating of non-PSPC salt water ballast tanks (see Service Restrictions).

**Description:**

Ballast Tank Repair Epoxy. Coating: EasyPrime (Flexible Epoxy Primer), EasyFlex (Flexible Epoxy Paint Coating)

**Ratings:**

Physical & Performance Data as per attached "pdf"

**Service Restrictions:**

Unit Certification is not required for this product. 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.

The following are excluded from this approval: IMO PSPC (performance standard for protective coatings) applications, defined as indicated in Appendix A of 2007 ABS Guidance Notes on the Inspection, Maintenance, and application of Marine Coating Systems, for the following: Protective coatings for dedicated seawater ballast tanks in all types of ships, and double-side skin spaces of bulk carriers, built to Common Structural Rules and contracted after December 2006; and for all vessels over 500GT contracted after July 2008.

**Comments:**

Surface prep: water blasting to NACE No.5/SSPC-SP 12 WJ-4.

**Notes / Drawings / Documentation:**

This Product Design Assessment (PDA) is valid only 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.

**Term of Validity:**

This Design Assessment Certificate number 00-HS187763/2-PDA, dated 02/Mar/2009 will expire on 01/Mar/2014 or at an earlier date should there be alterations to the product's design or changes to the referenced ABS Rules and other specifications, which affect the product. Product use on or after 1 January 2010, will be subject to compliance with the ABS Rules or specifications in effect when the vessel, MODU or facility is contracted. The product's acceptability on board ABS-classed vessels or facilities is defined in the service restrictions of this certificate.

**STANDARDS**

**ABS Rules:**

2009 Steel Vessels Rules 1-1-4/7.7, 1-1-A3

**National:**

ASTM B117, D522, D570, D1653, D2370, D2794, D3363, D4541, G8

**International:**

NA

**Government Authority:**

NA

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**EUMED:**

NA

**Others:**

ANSI / NSF Std 61 (UL Cert. 090301-MH18325, 9 March 01)