



CERTIFICATE NUMBER

DATE

05-HS487406-1-PDA

08 April 2010

ABS TECHNICAL OFFICE

Houston Materials

## CERTIFICATE OF DESIGN ASSESSMENT

This is to Certify that a representative of this Bureau did, at the request of  
**CERAM-KOTE COATINGS INCORPORATED - BIG SPRING**

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).

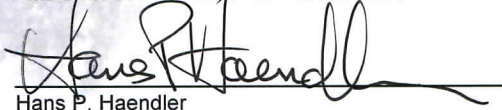
PRODUCT: Coating

MODEL: CeRam -Kote 2000

ABS RULE: 2010 Steel Vessel Rules 1-1-4/7.7,

OTHER STANDARD: ASTM: D 4541, D 4060, D 522, G 14, D 149, D 4518, B 117, E 96; Manufacturer's specifications;

AMERICAN BUREAU OF SHIPPING



Hans P. Haendler

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).

## CERAM-KOTE COATINGS INCORPORATED

1800 INDUSTRIAL DRIVE  
BIG SPRING  
TX 79721  
United States  
Telephone: 432-263-8497  
Fax: 432-263-5269

---

**Product:** Coating

**Model:** CeRam -Kote 2000

**Intended Service:**

Marine & Offshore Application -To provide corrosion and abrasion protection such as: Tank vessel, Piping, and Valve Internals; Petrochemical and Harsh Chemical Environments, Wastewater Treatment Clarifiers, Pumps, and Lift Stations; Brine Tanks, Hydrocarbon Service, Blowout Preventers, Secondary Containment, Non-UV Areas, Fuel Tanks.

**Description:**

CeRam -Kote 2000 is a Thin-Film, Spray-Applied and Air-Dried Ceramic Novalac Epoxy Coating System. For details refer to attached "pdf"

**Ratings:**

See attached "pdf" Product Data Sheet.

**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.

See attached "pdf" for surface preparation and application recommendations.

Be advised that as this coating has not been tested and approved under the IMO PSPC the coating may not be applied to the dedicated seawater ballast tanks of any ABS classed vessel or to the double side skin spaces of any ABS classed bulk carrier.

**Comments:**

None

**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 product/model is covered under Product Design Assessment (PDA) Certificate # 05-HS487406-1-PDA, dated 08/Apr/2010. This PDA Certificate expires 07/Apr/2015. It will remain valid for 5 years from date of issue or until the Rules or specifications used in the assessment are revised (whichever occurs first). It is valid for all vessels contracted on or before the date of the Rules used in this evaluation.

**STANDARDS**

**ABS Rules:**

2010 Steel Vessel Rules 1-1-4/7.7,

**National:**

ASTM: D 4541, D 4060, D 522, G 14, D 149, D 4518, B 117, E 96

**International:**

NA