Certificate No: LR1900848PWBT
Issue Date: 1 Sep 2019
Expiry Date: 31 Aug 2024

Protective coatings for water ballast tanks & double side skin spaces

Manufacturer	**Dong Nam Chemical Co., Ltd.**
Address	118-51, Gimhae-Daero, Jinyeong-Eup, Gimhae-Si, Gyeongsangnam-Do, Korea, Republic of
Product	UNIPRIME 100 HS-N
Product Code(s)	N/A
Curing agent	N/A
Application	Water ballast tanks and double-side skin spaces
Notes	1. Surface preparation and coating application should be carried out in accordance with the manufacturer's PTDS. 2. Product approved for use with the compatible shop primers listed on page 2, or on clean blasted bare steel.

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This is to certify that the protective coating system manufactured at the plant above is in compliance with IMO Resolution MSC.215(82) Performance Standard for Protective Coatings for Dedicated Seawater Ballast Tanks in all Types of Ships and Double-side Skin Spaces of Bulk Carriers (PSPC) adopted on 8th December 2006.

This approval is granted in accordance with the PSPC, IACS Regulations and Lloyd's Register Rules. The surface preparation and application requirements specified in the product technical data sheet (PTDS) have been reviewed and comply with the PSPC. This Approval does not cover properties other than corrosion prevention, such as service life, safety or toxicity etc.

The approval is subject to Lloyd's Register being informed of any changes in the product's formulation, specification or status of manufacturing quality control accreditation. Periodic auditing of the manufacturer's quality control and assurance systems will confirm compliance. Lloyd's Register reserves the right to withdraw or re-issue this certificate.

Stuart Downie

Lead Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register Group

71 Fenchurch Street, London, EC3M 4BS, UK

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Compatible Shop Primers:

Primer	Product Code(s)	Manufacturer
Nippon Ceramo	N/A	Nippon Paint Co., Ltd.
Cerabond 2000	M2-10000A. M2-10000B	Chugoku Marine Paints Ltd.
Cerazinc	M2-10000A	Kobe Paints, Ltd.
Kansai SD Zinc 1000 HA(S)	19422001, 19422004	Kansai Paint Marine Co., Ltd.
KCI Zinc 1000	N/A	Kangnam Jevisco Co., Ltd.
SIGMAWELD 165	179169	PPG Protective & Marine Coatings
Galvany Shopprimer IZ182(J)	N/A	KCC Corporation
Galvany Shopprimer IZ182(S)	N/A	KCC Corporation
Galvany Shopprimer IZ182(K)	N/A	KCC Corporation
Rainbow Cathozinc Shop Primer Type-2 SP-09	N/A	Yung Chi Paint & Varnish Mfg. Co., Ltd

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