Certificate No: LR25169639PWBT
Issue Date: 28/07/2025
Expiry Date: 27/07/2030

Protective coatings for water ballast tanks & double side skin spaces

Manufacturer	**DONG JIN INDUSTRY Co., Ltd.**
Address	21-2, Sanmakgongdannam 1-gil, Yangsan-si, Gyeongsannam-do, 50568, South Korea
Product	NIPPON E-MARINE 2000
Product Code(s)	N/A
Curing agent	NIPPON E-MARINE 2000 Hardener
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.

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.

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Heather Hughes

Non-Metallics & Coatings Team Leader to
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Compatible Shop Primers:

Primer	Product Code(s)	Manufacturer
Nippon Ceramo	N/A	Nippon Paint Marine Coatings Co., Ltd.
Nippon Ceramo LZ	N/A	Nippon Paint Marine Coatings Co., Ltd.
Cerabond 2000	M2-10000A M2-10000B	Chugoku Marine Paints Ltd.
CMP Cerazeus	M2-10101A	Chugoku Marine Paints Ltd.
Cerazinc	M2-10000A	Kobe Paints, Ltd.
SD Zinc 1000 HA(S)	19422001, 19422004	Kansai Paint Marine Co., Ltd.
Hempel's Shopprimer ZS 15890	15890	Hempel A/S
SIGMAWELD 165	179169	PPG Protective & Marine Coatings
SIGMAWELD 199	179165, 179167	PPG Protective & Marine Coatings
KCI Zinc 1000	N/A	Kangnam Jevisco Co., Ltd.
Galvany Shopprimer IZ 182(J)	N/A	KCC Corporation
Galvany Shopprimer IZ 182(S)	N/A	KCC Corporation
Galvany Shopprimer IZ 182(K)	N/A	KCC Corporation
TH-2 Zinc Silicate Shop Primer	N/A	Yejian New Material Co., Ltd.
CD-SG906	N/A	Ningbo Haidun Coating Co., Ltd.
Rainbow Cathozinc Shop Primer Type-2 SP-09	N/A	Yung Chi Paint & Varnish Mfg. Co., Ltd

End of list

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