Certificate No: LR2562631PWBT
Issue Date: 01/04/2025
Expiry Date: 31/03/2030

# Protective coatings for water ballast tanks & double side skin spaces

| | |
|---|---|
| **Manufacturer** | **Hempel Manufacturing (Malaysia) Sdn Bhd** |
| **Address** | Batu 6, Jalan Batu Pahat, 86000, Kluang, Johor Darul Takzim, Malaysia |
| **Product** | Hempadur Quattro XO 17870 |
| **Product Code(s)** | 17879 |
| **Curing agent** | 95870 |
| **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.<br>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
Lloyd's Register EMEA
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## Compatible Shop Primers

| Primer | Product Code(s) | Manufacturer |
|---|---|---|
| Hempel's Shopprimer ZS 15820 | 15820 | Hempel A/S |
| Hempel's Shopprimer ZS 15890 | 15890 | Hempel A/S |
| Cerabond 2000 | M2-10000A | Chugoku Marine Paints Ltd. |
| Interplate 937 | N/A | International Paint Ltd. |
| Muki Z 2001 | N/A | Jotun A/S |
| Galvany Shopprimer IZ 182(J) | N/A | KCC Corporation |
| SIGMAWELD 165 | 179169 | PPG Protective & Marine Coatings |
| SIGMAWELD 190 | 179171, 179172 | PPG Protective & Marine Coatings |
| SIGMAWELD 199 | 179165, 179167 | PPG Protective & Marine Coatings |
| KCI Zinc 1000 | N/A | Kangnam Jevisco Co., Ltd. |

End of list

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