



Certificate No:
TAK000023G

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Protective Coating Systems - Seawater Ballast Tanks

with type designation(s)
Intergard 9700 & Intergard 9700LT (one coat system)

Issued to

International Paint Limited
Gateshead, Tyne and Wear, United Kingdom

is found to comply with

DNV class programme DNV-CP-0108 – Type approval – Protective coating systems for seawater ballast tanks and double-side skin spaces
IMO Resolution MSC.215(82) Performance Standard for Protective Coatings (PSPC)
IACS Unified Interpretations SC223. For Application of SOLAS Regulation II-1/3-2 Performance Standard for Protective Coatings (PSPC) for Dedicated Seawater Ballast Tanks in All Types of Ships and Double-side Skin Spaces of Bulk Carriers.

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Hamburg** on **2021-12-08**

This Certificate is valid until **2026-12-07**.

for **DNV**

DNV local station: **Newcastle-upon-Tyne**

Approval Engineer: **Enno Brück**

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Thorsten Lohmann
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Form code: TA 251

Revision: 2021-03

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Page 1 of 3

Product description

Intergard 9700 & Intergard 9700LT, A light coloured, solvent free pure epoxy coating with superior corrosion protection and excellent crack resistance. One coat system.

Manufactured by

International Paint (Korea) Ltd., 8-6B/L Chilseo Industrial Complex, Kyenae-Ri, Chilseo-Myeon Haman-Gun, Kyungsangnam-Do, Republic of Korea

DNV local station: Busan

Responsibility

The holder of Certificate takes the responsibility that both design and production are in compliance with Rules, Standards and/or Regulations listed on page 1 of this certificate.

Application/Limitation

This approval is solely connected to the corrosion prevention properties of the coating material. The approval does not include any evaluation of toxicity, contamination, pollution, or fire technical properties.

Intergard 9700 & Intergard 9700LT are approved for application on blast cleaned surfaces and on prequalified shop primed surfaces. The following shop primer has been prequalified:

- | | |
|---|------------------------------------|
| - Interplate 937 | [International Paint] |
| - Interplate 8010 | [International Paint] |
| - KCC IZ 182(J) | [KCC Corporation] |
| - KCC IZ 182(S) | [KCC Corporation] |
| - PPG Sigmaweld 165 (only Intergard 9700LT) | [PPG Protective & Marine Coatings] |

Surface preparation and coating application according to PSPC or manufacturer's recommendations, whichever is stricter.

The durability of the applied coating system will depend on the steel surface preparation, coating application and the environmental conditions.

The Type Approval Certificate is invalid if the formulation of the epoxy coating **Intergard 9700 & Intergard 9700LT** is changed to a degree deemed significant by DNV. If the formulation of the listed pre-qualified shop primer is changed to a degree deemed significant by DNV the shop primer cannot be used as part of the Protective Coating System.

Tests carried out

Type Testing carried out in accordance with DNV CP-0108. The tests are carried out according to the procedures in IMO Resolution MSC.215(82) Performance Standard for Protective Coatings (PSPC), ref. IACS UI SC223:

- Korea Testing & Research Institute Report No. KTR-PSPC-246, "BALLAST TANK PROTECTIVE COATING TEST OF 1 * 320 µm INTERGARD 9700 ON INTERPLATE 937", dated: 2019-11-06.
- Korea Testing & Research Institute Report No. KTR-PSPC-251, "BALLAST TANK PROTECTIVE COATING TEST OF 1 * 320 µm INTERGARD 9700 ON INTERPLATE 8010", dated: 2019-11-06.
- Korea Testing & Research Institute Report No. KTR-PSPC-299, "BALLAST TANK PROTECTIVE COATING TEST OF 1 * 320 µm INTERGARD 9700 ON IZ 182(J)", dated: 2020-03-13.
- Korea Testing & Research Institute Report No. KTR-PSPC-261, "BALLAST TANK PROTECTIVE COATING TEST OF 1 * 320 µm INTERGARD 9700 ON IZ 182(S)", dated: 2019-11-06.
- Korea Testing & Research Institute Report No. KTR-PSPC-287, "BALLAST TANK PROTECTIVE COATING TEST OF 1 * 320 µm INTERGARD 9700 LT ON INTERPLATE 937", dated: 2020-03-13.
- Korea Testing & Research Institute Report No. KTR-PSPC-293, "BALLAST TANK PROTECTIVE COATING TEST OF 1 * 320 µm INTERGARD 9700 LT ON INTERPLATE 8010", dated: 2020-03-13.
- Korea Testing & Research Institute Report No. KTR-PSPC-305, "BALLAST TANK PROTECTIVE COATING TEST OF 1 * 320 µm INTERGARD 9700 LT ON IZ 182(J)", dated: 2020-03-13.
- Korea Testing & Research Institute Report No. KTR-PSPC-345, "BALLAST TANK PROTECTIVE COATING TEST OF 1 * 320 µm INTERGARD 9700 LT ON IZ 182(S)", dated: 2020-09-17.

- Korea Testing & Research Institute Report No. KTR-PSPC-289, "BALLAST TANK PROTECTIVE COATING TEST OF 1 * 320 µm INTERGARD 9700 LT ON SIGMAWELD 165", dated: 2020-03-13.

Marking of product

Product/package shall be marked with *manufacturer's name and address*; **International Paint (Korea) Ltd.**, Korea, *type designation* **Intergard 9700 & Intergard 9700LT**, and *date of production/batch number*.

The marking is to be carried out in such a way that it is visible, legible and indelible. The marking of product is to enable traceability to the DNV Type Approval Certificate.

Periodical assessment

The scope of the Periodical Assessment is to verify that the conditions stipulated for the Type Approval is complied with and that no alterations are made to the product design or choice of materials.

Periodical Assessment (Certificate Retention) and renewal after 5 years (Certificate Renewal) shall be performed acc. DNV CP-0338.

END OF CERTIFICATE