Certificate no.:
TAK00002KD

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Protective Coating Systems - Seawater Ballast Tanks

with type designation(s)
CMP NOVA 2000

issued to
Chugoku Marine Paints, Ltd. (Hiroshima Head Office)
Otake, Hiroshima Pref., **Japan**

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:

For use in ballast tanks, double-skin spaces, cofferdams and similar areas. Surface preparation and coating application as per PSPC or manufacturer's recommendations, whichever is stricter.

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

Issued at **Hamburg** on **2025-09-26**
This Certificate is valid until **2030-09-25**.
DNV local unit: **Japan CMC**

for **DNV**

Approval Engineer: **Gisle Hersvik**

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 USD 300 000.

Product description

CMP NOVA 2000 (M2-22031A): 2-component epoxy-based coating for corrosion protection of steel surfaces.

Manufactured by

Chugoku Paints (Malaysia) Sdn. Bhd., PLO 430, Jalan Emas Dua, Pasir Gudang Industrial Estate, 81700 Pasir Gudang, Johor, Malaysia

DNV local station: Kuala Lumpur

Responsibility

The Company (stated on the front page of this 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.

CMP NOVA 2000 (M2-22031A) is approved for application on blast cleaned surfaces and on shop primed surfaces. The following shop primers are prequalified:

CERABOD 2000	[Chugoku Marine Paints]
CMP CERAZEUS	[Chugoku Marine Paints]
NIPPON CERAMO / NIPPE CERAMO	[Nippon Paint Marine Coatings]
SD ZINC 1000HA(S)	[Kansai Paint Marine]

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 **CMP NOVA 2000** is changed to a degree deemed significant by DNV. If the formulation of any of the listed pre-qualified shop primers is changed to a degree deemed significant by DNV that shop primer cannot be used as part of the Protective Coating System.

Type Approval documentation

Tests carried out

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

- JPIA Technical Report No. 180748, "Ballast Tank Coating Test of CMP NOVA 2000 on CERABOND 2000 Shop Primer" of 2019-07-10.
- DNV GL Report No. 2020-5019, Rev. 00 "Crossover coating test of two coats CMP NOVA 2000 (M2-22031A) on CMP CERAZEUS (M2-10101A)" of 2020-03-04.
- JPIA Technical Report No. 180752, "Ballast Tank Coating Test of 2x160 µm CMP NOVA 2000 on NIPPON CERAMO Shop Primer" of 2019-07-10.
- JPIA Technical Report No. 180756, "Ballast Tank Coating Test of 2x160 µm CMP NOVA 2000 on SD ZINC 1000HA(S) Shop Primer" of 2019-07-10.

Marking of product

Product/package shall be marked with *manufacturer's name*, *place of production*: **Chugoku Paints (Malaysia) Sdn. Bhd., Malaysia**, *type designation*: **CMP NOVA 2000**, *product code*: M2-22031A 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 assessments (for Certificate Retention / Certificate Renewal) shall be performed according to DNV-CP-0338.

This certificate is only valid if required Periodical assessments are carried out with satisfactory results. To check the validity of this certificate, please look it up in https://approvalfinder.dnv.com

END OF CERTIFICATE