DNV·GL

Certificate No:
TAK00001R5

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Protective Coating Systems - Offshore Structures

with type designation(s)
No.1087P (1x200 µm) / No.1087 (2x200 µm)

Issued to
Yung Chi Paint & Varnish Mfg. Co. Ltd.
Kaohsiung, Taiwan

is found to comply with
NORSOK Standard M-501 Surface preparation and protective coating, Edition 6, February 2012

Application :

For use in Coating System No. 7B in accordance with the stated Standard.

Issued at **Høvik** on **2019-07-01**
This Certificate is valid until **2024-06-30** .
DNV GL local unit: **Kaohsiung**

Approval Engineer: **Gisle Hersvik**

for **DNV GL**

Rikard Törnqvist
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.

© DNV GL 2014. DNV GL and the Horizon Graphic are trademarks of DNV GL AS.

Product description

No.1087P (1x200 µm) / No.1087 (2x200 µm)

Description of the Coating system, tested on bare steel;
— **1087P** Epoxy Under Water Primer
— **1087** Epoxy Under Water Coating

The tested coating system is defined in accordance with NORSOK M-501.

The testing has been performed with basis in test requirements of NORSOK M-501 (for Coating system no. 7B, for protection of submerged carbon and stainless steel ⩽50°C).

Coating system no. 7B is defined in NORSOK M-501, Surface preparation and protective coating, Rev. 6, February 2012, as two-component epoxy based coating, a minimum of 2 coats and a total DFT of min. 350 µm.

For details on Coating system no. 7B, please refer to NORSOK M-501, Rev. 6, February 2012.

Application/Limitation

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

This Type Approval certificate is not valid for designs, components, equipment, systems or products which are subject to classification by DNV GL.

Type Approval documentation

Tests carried out

Type Testing carried out in accordance with **Type Approval documentation**, ref.:
- Test and Verifying Center for Ship Materials on Coatings and Paintings Technical Report No. JX19107 "YCP-6: No.1087P epoxy under water primer 200µm+No.1087 epoxy under water coating 200µm+No.1087 epoxy under water coating 200µm" of 2019-04-01.

Marking of product

Products forming parts of the coating system shall be marked with *manufacturer's name*; **Yung Chi Paint & Varnish Mfg. Co. Ltd., Taiwan** and *type designations*.

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 GL 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 to be performed after 2 and 3.5 years (Certificate Retention) and at renewal after 5 years (Certificate Renewal).

The main elements of the Periodical Assessment are to:
- Ensure that **Type Approval documentation** is available.

- Review design, materials, production process, and performance with respect to possible changes, in order to ensure compliance with **Type Approval documentation** and/or referenced material specifications.
- Ensure traceability between manufacturer's product marking and the DNV GL Type Approval Certificate.

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.dnvgl.com

END OF CERTIFICATE