

TYPE APPROVAL CERTIFICATE

This is to certify:**That the TBT-Free Anti-Fouling Systems**with type designation(s)
Interspeed 376

Issued to

**International Paint Limited
Gateshead, Tyne & Wear, United Kingdom**

is found to comply with

DNV GL class programme DNVGL-CP-0110 – Type approval – Anti-fouling systems**Application :****Organotin free controlled depletion polymer anti-fouling system.****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**Issued at **Høvik** on **2017-09-20**This Certificate is valid until **2022-09-19**.for **DNV GL**DNV GL local station: **Newcastle-upon-Tyne**Approval Engineer: **Gisle Hersvik**

**Martin Strande
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.



Job Id: **262.1-015960-2**
Certificate No: **TAK00000YJ**

Product description

Organotin free controlled depletion polymer (CDP) anti-fouling paint; **Interspeed 376**

Colours:

This product may be available in various colours. Please contact your local International Paint Representative for details.

Chemically active ingredients:

CAS No. 1111-67-7 Cuprous thiocyanate
CAS No. 13463-41-7 Zinc Pyrithione

Manufactured by

Akzo Nobel Coatings India Pvt Ltd., Hoskote Industrial Area, Bangalore 562114, India

DNV GL local station: Mumbai

International Paint Singapore (Pte) Ltd., No. 3 Neythal Road, Singapore 628570, Singapore

DNV GL local station: Singapore

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

The issuance of this certificate is solely connected to the control of the Anti-Fouling System, AFS, with regard to compliance with the International Convention on the Control of Harmful Anti-Fouling Systems on Ships.

It does not cover verification of surface preparation, corrosion protection, fire, health and safety precautions, durability of the AFS or environmental properties other than regulated by the Convention.

Type Approval documentation

Tests carried out

Type Testing carried out according to **Type Approval documentation**, with the following test results, ref. Certificate of Analysis, of 2007-08-03.

- **Interspeed 376:** < 0.0005 % tin (No TBT-compounds detected)

Marking of product

Product shall be marked with *manufacturer's name, place of production and type designation*.

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.



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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 DNV GL Type Approval Certificate.

END OF CERTIFICATE