

TYPE APPROVAL CERTIFICATE

This is to certify:

That the TBT-Free Anti-Fouling Systems

with type designation(s)
Interspeed 6400

Issued to

International Paint Limited
GATESHEAD, TYNE AND 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 anti-fouling system.

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

This Certificate is valid until **2018-12-31**.

Issued at **Høvik** on **2016-12-13**

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

Approval Engineer: **Gisle Hersvik**

for **DNV GL**

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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:
Certificate No: **TAK00000KK**

Product description

Organotin-free controlled depletion polymer anti-fouling paint: **Interspeed 6400**

Active ingredients:

Copper(1)oxide	CAS No. 1317-39-1
Zinc Ethylene bis-dithiocarbamate	CAS No. 12122-67-7

Colours:

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

Manufactured by

Akzo Nobel Ltda (Brazil), Av Paiva 999, NevesSao Goncalo, Cep 24426-140, Rio De Janeiro, Brazil

DNV GL local office: Rio de Janeiro

International Paint of Shanghai Co. Ltd., 1515 Xin JinQiao Road, JinQiao Export & Processing Zone, Pudong 201206, Shanghai, China

DNV GL local office: Shanghai

PT International Paint Indonesia, Wisma Dharmala Sakti 5th Floor, JL Jend Sudirman 32, Jakarta 10220, Indonesia

DNV GL local office: Jakarta

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

DNV GL local office: Changwon

International Paint Sdn Bhd, Lot 1 & 2, Jalan Gangsa, 81700 Pasir Gudang, Johor, Malaysia

DNV GL local office: Kuala Lumpur

International Paint Saudi Arabia Ltd, P O Box 37, Damman, Saudi Arabia

DNV GL local office: Bahrain

International Paint Singapore (Pte) Ltd, 3 Neythal Road, Jurong Town, Singapore

DNV GL local office: Singapore

International Paint South Africa (Pty) Ltd, P O Box 1386, Durban, South Africa

DNV GL local office: Cape Town

International Paint (Taiwan) Ltd, 20 Yu Ming Street, Ta Fa Industrial District, Kaohsiung City, Taiwan

DNV GL local office: Kaohsiung

International Paint Limited, Stoneygate Lane, Felling, Gateshead, Tyne & Wear, NE10 0JY, United Kingdom

DNV GL local office: Newcastle-upon-Tyne

Job Id:
Certificate No: **TAK00000KK**

Ho Chi Minh City Branch of Akzo Nobel Coatings Vietnam Limited, Unit 1705-1706, 17th Floor, Flemington Tower, 182 Le Dai Hanh, W.15, Dist 11, Ho Chi Minh City, S.R. Vietnam

DNV GL local office: Ho Chi Minh City

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 in accordance with **Type Approval documentation**, with the following test results (ref. Test Reports from PRA, UK 2010-09-22):

- | | |
|--------------------------------------|--------------|
| — Interspeed 6400 (dark red): | 0.0140 % tin |
| — Interspeed 6400 (brown): | 0.0120 % tin |

Marking of product

Product shall be marked with *manufacturer's name*; **International Paint Limited**, *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.

Periodical Assessment to be performed after two (2) years (Certificate Retention) and at renewal after four (4) 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.

END OF CERTIFICATE