DNV·GL

Certificate No:
TAK00001SE

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Shop Primers

with type designation(s)
Interplate Zero Eco

Issued to
International Paint Limited
Gateshead, Tyne and Wear, United Kingdom

is found to comply with
DNV GL class programme DNVGL-CP-0109 – Type approval – Shop primers for corrosion protection of steel plates and sections
DNV GL rules for classification – Ships
DNV GL offshore standards

Application :

The shop primer is approved for application on blast cleaned steel plates and sections.

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

Issued at **Høvik** on **2019-08-25**
This Certificate is valid until **2024-08-24**.
DNV GL local station: **Newcastle-upon-Tyne**

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.

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Product description

Interplate Zero Eco; a two pack, water based inorganic shop (pre-construction) primer, pigmented with zinc.

Application/Limitation

The shop primer is approved for application on blast cleaned steel plates and sections.

The approval does not include any examination of possible effects of welding with this primer on the welder's state of health.

Note:
The fumes measured with Dräger gas detectors during flame cutting with fuel gas acetylene are concluded to be "Health Hazard Free", ref. GSI SLV Test Report No. 20156600004 "Trace gas measurements during flame cutting of plates coated with Shopprimer Zero Eco XZM850/851" of 2015-03-11.

This approval only verifies that the shop primer tested has no detrimental effect on the finished weld, on condition that the film thickness applied is in accordance with the manufacturer's recommendation.

Type Approval documentation

Tests carried out

Type Testing carried out in accordance with **Type Approval documentation**, ref. GSI SLV Test Report No. 20156600004 "Determination of the porosity level in accordance with DIN EN ISO 17652-2 once DVS-guideline 0501 edition March 1976 Shopprimer Zero Eco XZM850/851" of 2015-03-11, with result:

— Mean pore area 17,93 mm^2 (max. allowed pore area 125 mm^2).

Marking of product

Product shall be marked with *manufacturer's name*; **International Paint Limited, UK** and *type designation;* **Interplate Zero Eco**.

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.

END OF CERTIFICATE