Certificate No:
TAK0000219

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Shop Primers

with type designation(s)
JC6201 inorganic zinc silicate shop primer

Issued to
SUZHOU JIREN HIGH-TECH MATERIALS CO., LTD.
Suzhou, **China**

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

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.

Issued at **Hamburg** on **2021-05-06**
This Certificate is valid until **2026-05-05**.
DNV local station: **Shanghai**

Approval Engineer: **Christine Löll**

for **DNV**

Thorsten Lohmann
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.

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 300,000 USD.

Product description

JC6201 inorganic zinc silicate shop primer: two-component solvent shop primer

Manufactured by

Suzhou Jiren High-Tech Materials Co., Ltd., No. 18, Chunwang Road, Huangdai Town, Xiangcheng District, Suzhou 215143, China

DNV local station: Shanghai

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

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

This approval verifies only that the shop primer tested has no detrimental effect on the finished weld, it is presumed 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 DNV GL CP-0109; ref. Analysis Report No. W1907 from Synthetic Test Institute of Hudong-Zhonghua Shipbuilding (Group) Co., Ltd. of 2019-10-22 with the following test result:

- 0.3% porosity (max. allowed porosity 15%)

Marking of product

Product shall be marked with *manufacturer's name*; **Suzhou Jiren High-Tech Materials Co., Ltd., China,** *type designation;* **JC6201 inorganic zinc silicate shop primer 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 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 assessments (for Certificate Retention and Certificate Renewal) shall be performed according to DNVGL-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.dnvgl.com.

END OF CERTIFICATE