



Certificate no.:
TAS000049V

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Hatch Cover Slide Pads

with type designation(s)
SPT-O-L

issued to

Shanghai Saipote Composite Material Technology Co., Ltd.
Shanghai, China

is found to comply with
DNV rules for classification – Ships

Application:

Product is found to comply with DNV rules for Ships Pt.3 Ch.12.

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

Issued at **Hamburg** on **2024-06-19**

This Certificate is valid until **2029-06-18**.

DNV local unit: **Shanghai**

for **DNV**

Approval Engineer: **Joachim Rehbein**

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.



Form code: TA 281

Revision: 2023-09

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Product description

SPT-O-L: Fibre reinforced thermosetting resin incorporating solid lubricants.

Application/Limitation

Lubrication: - Dry
Operational Limits: - Nominal bearing pressure up to 60 MPa
Dimensions: - According to DNV approved drawings

It is in the responsibility of Shanghai Saipote Composite Material Technology Co., Ltd. to ensure, that technical properties of pads from the current production correspond to the mechanical properties of the tested pad.

Area of application will be evaluated during approval of classified objects.

Any significant changes in design and/or quality of the material will render the approval invalid.

Type Approval documentation

Tests carried out

Production quality tests.

Marking of product

Product shall be marked with *manufacturer's name* and **SPT-O-L**.

Periodical assessment

Periodical assessments (for Certificate Retention and Certificate Renewal) shall be performed according to DNV-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.dnv.com>

END OF CERTIFICATE