



Certificate no.:
TAK00002NG

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Adhesive Materials for use in Insulation of Gas Carriers

with type designation(s)

HTS 2610 A/B: Epoxy Adhesive System

issued to

Beijing Huateng Hightech Corp.
Beijing, China

is found to comply with

Gaztransport & Technigaz Specification Nr. M3006, Adhesive for Secondary Barrier, Rev. C, February 2010

Application:

For use in GTT Liquefied Gas Cargo Containment System of LNG carriers.

Issued at **Hamburg** on **2026-03-19**

This Certificate is valid until **2031-03-18**.

for **DNV**

DNV local unit: **Dalian NB & CMC**

Approval Engineer: **Gisle Hersvik**

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

HTS 2610 A/B: A two-component Epoxy Adhesive System.

Component A, epoxy resin: HTS 2610A

Component B, amine hardener: HTS 2610B

Manufactured by

Guangdong Guowang Fine Chemicals Co., Ltd. as the factory of **Beijing Huateng Hightech Corp.**, No.161 Qichao Avenue, Huicheng, Xinhui District, Jiangmen City, Guangdong Province, P.R. China

DNV local station: Guangzhou

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

Top Bridge Pad (TBP) adhesive for bonding FSB (Flexible Secondary Barrier) and RSB (Rigid Secondary Barrier).

The material is only approved for use in MARK III/Flex CCS technologies under licence from GAZTRANSPORT & TECHNIGAZ SAs (GTT).

Deliveries to actual shipbuilding projects shall be in compliance with the GTT Specification Nr. M3006, "Adhesive for Secondary Barrier", latest revision C dated February 2010

The product shall have valid approval from GTT, and the conditions stated in the GTT approval shall be adhered to.

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

Type Approval documentation

Tests carried out

Type Testing carried out according to **Type Approval documentation**.

Marking of product

Product/package shall be marked with the *manufacturer's name*: **Beijing Huateng Hightech Corp., China**, *place of manufacture* and *type designations*: **HTS 2610 A/B**.

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 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 / 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