Certificate No:
TAK00002C9

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Insulation Materials for Gas Carriers

with type designation(s)
AQUALACT: Two-component water-soluble modified epxoy

Issued to
Kangnam Jevisco Co., Ltd.
Haman-gun, Gyeongsangnam-do, **Republic of Korea**

is found to comply with
Gaztransport & Technigaz Specification Nr. M3001, Paint for Inner Hull Protection, Rev. 03, December 2015

Application :

For use in MARK III & V type LNG carriers built under GTT's license.

Issued at **Hamburg** on **2024-04-05**
This Certificate is valid until **2029-04-04** .
DNV local unit: **Gimhae Station**

for **DNV**

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

AQUALACT: Two-component water-soluble modified epoxy.

Application/Limitation

AQUALACT: Paint for Inner Hull Protection.
Load-bearing mastic ULBM 100/200 (supplied by Unitech) has been used for the technological testing of AQUALACT (RED). Other validated mastic/paint combinations are given in GTT Document MAT-PLA-001019.

The products are only approved for use in MARK III & V type LNG carriers built under licence from GAZTRANSPORT & TECHNIGAZ SA (GTT). Deliveries to actual shipbuilding projects shall be in compliance with the GTT specification nr. M3001 “Paint for Inner Hull Protection”, Rev. 03, December 2015.
The product shall have a valid approval from GTT.

Type Approval documentation

Tests carried out

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

The Type Test results on which this Type Approval is based are found in:
- GTT Approval Report No. MAT-RPT-003320 Rev. 01 of 2022-12-07.

Marking of product

Product shall be marked with the *manufacturer's name*: **Kangnam Jevisco Co., Ltd., Korea** and *type designation. Model name, Serial no., Batch no. etc*.

The marking is to be carried out in such a way that it is visible, legible and indelible.

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