



Certificate no.:  
**TAK00002MU**

# TYPE APPROVAL CERTIFICATE

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**This is to certify:**

**that the Adhesive Materials for use in Insulation of Gas Carriers**

with type designation(s)

**Load Bearing Mastic: SikaBiresin® AP251**

issued to

**Sika Automotive (Shanghai) Co., Ltd.**  
**Shanghai, China**

is found to comply with

**Gaztransport & Technigaz Specification Nr. M3004, Load Bearing Mastic, Rev. 03, January 2016**

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**Application:**

**For use in GTT MARK III type Cargo Containment System of LNG carriers.**

Issued at **Hamburg** on **2026-01-12**

This Certificate is valid until **2031-01-11**.

for **DNV**

DNV local unit: **Shanghai**

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

**SikaBiresin® AP251:** An epoxy-based two-component Load Bearing Mastic.

## Place of manufacture

Sika Automotive (Shanghai) Co., Ltd., No. 53 TaiGu Road, WaiGaoQiao Free Trade Zone, Pudong 200131 Shanghai

## Application/Limitation

The material is only approved for use in MARK III type Cargo Containment Systems of LNG carriers built under licence from GAZTRANSPORT & TECHNIGAZ SAs (GTT).

Deliveries to actual shipbuilding projects shall be in compliance with the GTT Specification Nr. M3004 "Load Bearing Mastic", latest Rev. 03 of January 2016.

The product shall have a valid approval from GTT.

## 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*: **Sika Automotive (Shanghai) Co., Ltd., China**, *type designation* and *date of production/batch number*.

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