Certificate No: LR24155370LNG
Issue Date: 01/01/2025
Expiry Date: 12/02/2029

Certificate of General Approval for LNG Containment System Component

This certificate is issued to the company below to certify that the undernoted LNG system components have been examined for conformity with Lloyd's Register's "Rules and Regulations for the Construction and Classification of Ships for the Carriage of Liquefied Gases in Bulk", together with the relevant Gaz Transport & Technigaz (GTT) specifications and has been found to be acceptable.

Manufacturer	**Bostik SA**
Address	420, rue d'Estienne d'Orves, Colombes, 92700, France
Place of Production	Bostik SA Route de Bailly, TSA 32880, RIBECOURT CEDEX, 60771, France
Product Name	**XPU 18045 An/B**
Product Type	Adhesive For Bonding Secondary Barrier
Approval Documentation	• GTT Report No. MAT-RPT-002403 Rev. 01, dated 05 December 2019 • GTT Report No. MAT-RPT-002642 Rev. 02, dated 01 July 2020 • GTT Report No. MAT-RPT-002880 Rev. 01, dated 23 July 2021 • GTT Report No. MAT-RPT-003086 Rev. 01, dated 18 February 2022 • Bostik statement, dated 14 March 2024, citing no changes in sourcing, components, manufacturing procedures, location and QA/QC procedures
Reference Documentation	Adhesive For Bonding Secondary Barrier GTT's Document M3006, Rev. C (February 2010)
Application	The product listed above may be used for bonding the secondary barrier as indicated on approved drawings for vessels classed with Lloyd's Register in GTT Mark III or Mark III Flex membrane LNG containment system, for bonding HRT-2001 (Hankuk Carbon RSB), HFT-2010 (Hankuk Carbon FSB),Triplex-R (Hutchinson RSB) and Triplex (Hutchinson FSB) only. For on-board use, the mechanical and tightness characteristics of the adhesive should be re-confirmed using the industrial bonding equipment of Shipyard

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Dariusz Boryszewski
Ship Structure - Lead Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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with defined parameters.
If either the GTT reference documentation mentioned above is altered to a later version, or if the product listed above changes in design or composition, this certificate becomes invalid.

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