Certificate No: LR26239674NMTS
Issue Date: 26/05/2026
Expiry Date: 25/05/2031

Certificate Of Approval Of A Tank Support

This certificate is issued to the company named below. Based on the examination of the data submitted the product described is considered acceptable for use in constructions built under Lloyd's Register's survey. This acceptance is subject to Lloyd's Register being informed of any changes in or modifications to the product and the product being used in accordance with the manufacturer's instructions and with the relevant requirements of Lloyd's Register's Rules and Regulations.

Manufacturer	**HCM VINA COMPANY LIMITED.**
Address	Lot B2-B, B2-C, B2-K, Becamex – Binh Phuoc Industrial Park, Chon Thanh Ward, Dong Nai city, 830000, Vietnam
Type	Polymeric Support Blocks For LNG And LPG Tanks
Trade Name	Composite Block (Glass Fiber-Reinforced Epoxy Composite)
Application	To be used as supporting compound between the cargo tanks and surrounding hull structure of Liquefied Gas and Ammonia Carriers to minimum operating temperature of -170°C
Data Submitted	Test report HC-TR2026-Q01

Manufacturer's specification

Minimum compressive strength
Room temperature: ≥160 MPa (parallel), ≥240 MPa (perpendicular)
-170 °C: ≥300 MPa (parallel), ≥270 MPa (perpendicular)

Minimum shear strength
Room temperature: ≥30 MPa (parallel), ≥70 MPa (perpendicular)
-170 °C: ≥40 MPa (parallel), ≥80 MPa (perpendicular)

Thermal conductivity

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Raj Muthuraj
Specialist Non-Metallics 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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Measured Value

Water absorption
≤0.40%

The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the product.

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