Certificate No: LR2636518WC
Issue Date: 25/02/2026
Expiry Date: 24/02/2027

CERTIFICATE OF APPROVAL OF WELDING CONSUMABLE FOR SHIP CONSTRUCTION

This certificate is issued to the company named below. The welding consumable or combination described has been tested in accordance with the requirements of Lloyd's Register for use in ship construction. This approval is subject to annual tests being carried out in accordance with the requirements of Lloyd's Register. The continued validity of this approval will be confirmed by appropriately dated Annual Reapproval Certificates issued to the company.

Company	**Tianjin Minmetals Co., Ltd.**
Address	No. 47, Xiangjiang Road, Hexi District, Tianjin, 300200, China
Type of welding consumable	Section 3 - Covered Electrodes
Trade name	Permanent MT-12
Welding Process	Shielded Metal Arc Welding
Grade & Technique	2m
Welding Positions	Downhand, horizontal-vertical, vertical upward and overhead only.
Weld Type	Butt and Fillet Welding.
Diameter (mm)	2.5 - 5.0
Current	AC/DC(±)
Remarks	

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Jaspal Nirankari

Welding Team Leader 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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