Certificate No: LR25237859WC
Issue Date: 25/06/2025
Expiry Date: 24/06/2026

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	**Kjellberg Finsterwalde Elektroden & Zusatzwerkstoffe GmbH**
Address	12,Ludwig-Erhard-Str., Massen, 03238, Germany
Type of welding consumable	Section 3 - Covered Electrodes
Trade name	Optimal
Welding Process	Shielded Metal Arc Welding
Grade & Technique	2Ym
Welding Positions	Downhand, horizontal-vertical, vertical upward and overhead only.
Weld Type	Butt and Fillet Welding.
Diameter (mm)	2.5 - 4.0
Current	DC(+)
Remarks	Suitable for welding higher tensile steels up to Grade 36 with a MAXIMUM Carbon Equivalent of 0.41%.

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Sufair Shaikh

Welding Team - 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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