



## 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.

Name of Company: ***MIGAL.CO GMBH, GERMANY, FEDERAL REPUBLIC OF***

Type of Welding Consumable: ***Section 9 - gas metal arc - Solid Wire/Gas Shield***

Trade Name: ***MA-5183/70%Ar-30%He***

Welding Position: ***Downhand, horizontal-vertical, vertical upward and overhead only.***

Joint Type: ***Butt and Fillet Welding.***

Aluminium Alloy Grade: ***WC1/I-3, suitable for welding aluminium alloy Grade(s) 5083 using semi-automatic gas metal arc welding. (Approved also for automatic multirun welding in the downhand position only.)***

Date: ***13 November 2020***

Valid until: ***16 August 2021***

---

**A Saxty**

Senior Specialist to Lloyd's Register EMEA  
A member of the Lloyd's Register group