



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	Kobe Steel, Ltd. Ibaraki Plant
Address	2-19, Higashiunobe-cho, Ibaraki-shi, Osaka, 567-0879, Japan
Type of welding consumable	Section 5 - Flux-Cored Wire/Gas Shield
Trade name	DW-N709SP/CO2
Welding Process	Flux Cored Arc Welding
Grade & Technique	9NiS
Welding Positions	Downhand, horizontal-vertical and vertical upward only.
Weld Type	Butt and Fillet Welding.
Diameter (mm)	1.2
Current	DC(+)
Remarks	Approved also for automatic multirun welding in the downhand position only.

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Jaspal Nirankari

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