



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. Fukuchiyama Plant
Address	3-36, Osadano-cho, Fukuchiyama-shi, Kyoto, 620-0853, Japan
Type of welding consumable	Section 7 - 3 x Solid Wire/Flux/Metal Powder/Backing Flux
Trade name	3 x US-36/PF-H55E/RR-2/RF-1
Welding Process	Submerged Arc Welding
Grade & Technique	3A
Welding Positions	Downhand only.
Weld Type	Butt Welding Only.
Diameter (mm)	4.0 - 6.4
Current	AC/DC(±)
Remarks	Application of high heat input automatic welding is limited to plates of 30.0 mm maximum thickness.

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Jaspal Nirankari

Welding Team Leader to Lloyd's Register
EMEA
A member of the Lloyd's Register group

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CERTIFICATE OF APPROVAL OF WELDING CONSUMABLE FOR SHIP CONSTRUCTION

Consumable 2nd Grade

Type of welding consumable	Section 7 - 3 x Solid Wire/Flux/Metal Powder/Backing Flux
Trade name	3 x US-36/PF-H55E/RR-2/RF-1
Welding Process	Submerged Arc Welding
Grade & Technique	3YA
Welding Positions	Downhand only.
Weld Type	Butt Welding Only.
Diameter (mm)	4.0 - 6.4
Current	AC/DC(±)
Remarks	Application of high heat input automatic welding is limited to plates of 30.0 mm maximum thickness.

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