



NIPPON KAIJI KYOKAI

Certificate

OF

TYPE APPROVAL

Approval No. NKY-1002
Certificate No. TA211455E

Article: Welding Consumables for Mild Steels for Hull
Brand: TB-24
Applicant: Kobe Steel, Ltd., Saijo Plant
6400-1, Misonou, Saijo-Cho, Higashi-Hiroshima, Hiroshima, Japan
Manufacturer: Kobe Steel, Ltd., Saijo Plant
6400-1, Misonou, Saijo-Cho, Higashi-Hiroshima, Hiroshima, Japan
Grade: KMW3
Welding Process: Manual Welding
Welding Positions and Max. Diameter of Electrode: See Table 1
Current: AC, DCEP and DCEN
Shielding Gas: Not Applicable


Table 1 Welding Positions and Max. Diameter of Electrode

Butt Weld		Fillet Weld	
Flat:	4.0mm	Flat:	4.0mm
Horizontal:	4.0mm	Horizontal Vertical:	4.0mm
Overhead:	4.0mm	Horizontal:	4.0mm
Vertical Upward:	4.0mm	Horizontal Overhead:	4.0mm
Vertical Downward:	Not Applicable	Overhead:	4.0mm
		Vertical Upward:	4.0mm
		Vertical Downward:	Not Applicable

THIS IS TO CERTIFY that the above mentioned welding consumable has been approved by the NIPPON KAIJI KYOKAI in accordance with the requirements of the Society's Rules.

This Certificate will remain in force until 19 March 2022.

Issued at Tokyo on 23 December 2021.


Y. Takao
General Manager
Material and Equipment Department



- Notes (1) The validity of this certificate may be renewed by endorsement on the attached sheet upon completion of the annual inspections.
(2) This certificate was rewritten because of change of max. diameter of wire.

Certificate No. TA211455E

The validity of this certificate has been renewed

until 19 MAR. 2023

Date: 28 MAR. 2022


Surveyor



The validity of this certificate has been renewed

until

Date:

Surveyor

The validity of this certificate has been renewed

until 19 MAR. 2024

Date: 10 FEB. 2023


Surveyor



The validity of this certificate has been renewed

until

Date:

Surveyor

The validity of this certificate has been renewed

until 19 MAR. 2025

Date: 9 FEB. 2024


Surveyor



The validity of this certificate has been renewed

until

Date:

Surveyor

The validity of this certificate has been renewed

until 19 MAR. 2026

Date: 16 MAY. 2025


Surveyor



The validity of this certificate has been renewed

until

Date:

Surveyor

The validity of this certificate has been renewed

until

Date:

Surveyor

The validity of this certificate has been renewed

until

Date:

Surveyor