



# 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.

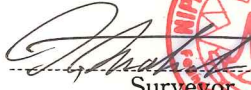





This Certificate will remain in force until 19 March 2022.

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.

<p>The validity of this certificate has been renewed until <u>19 MAR. 2023</u> .</p> <p>Date: <u>28 MAR. 2022</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>
<p>The validity of this certificate has been renewed until <u>19 MAR. 2024</u> .</p> <p>Date: <u>10 FEB. 2023</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>
<p>The validity of this certificate has been renewed until <u>19 MAR. 2025</u> .</p> <p>Date: <u>9 FEB. 2024</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>
<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>
<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>