



# NIPPON KAIJI KYOKAI

## Certificate

OF

### TYPE APPROVAL

Approval No. NKY-3542  
Certificate No. TA2244E

Article: Welding Consumables for Mild Steels for Hull  
Brand: ZERODE-44  
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

Table 1 Welding Positions and Max. Diameter of Electrode


Butt Weld		Fillet Weld	
Flat:	6.0mm	Flat:	6.0mm
		Horizontal Vertical:	6.0mm
Horizontal:	5.0mm	Horizontal:	5.0mm
Overhead:	5.0mm	Overhead:	5.0mm
		Horizontal Overhead:	5.0mm
Vertical Upward:	5.0mm	Vertical Upward:	5.0mm
Vertical Downward:	Not Applicable	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 20 April 2022.

Issued at Tokyo on 11 January 2022.



  
Y. Takao  
General Manager  
Material and Equipment Department

Notes : The validity of this certificate may be renewed by endorsement on the attached sheet upon completion of the annual inspections.

<p>The validity of this certificate has been renewed until <u>20 APR. 2023</u> .</p> <p>Date: <u>10 FEB. 2023</u></p> <p> Surveyor</p> <p></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>20 APR. 2024</u> .</p> <p>Date: <u>10 FEB. 2023</u></p> <p> Surveyor</p> <p></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>20 APR. 2025</u> .</p> <p>Date: <u>9 FEB. 2024</u></p> <p> Surveyor</p> <p></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>20 APR. 2026</u> .</p> <p>Date: <u>16 MAY. 2025</u></p> <p> Surveyor</p> <p></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>