



NIPPON KAIJI KYOKAI

Certificate

OF

TYPE APPROVAL

Approval No. NKY-3609
Certificate No. TA23411E

Article : Welding Consumables for High Tensile Steels for Hull
Brand : MX-50HM / MG-50HM / RR-2 / RF-1
[Wire / Wire / Metal Powder / Backing Flux]
Applicant : Kobe Steel, Ltd., Fukuchiyama Plant
3-36, Osadano-Cho, Fukuchiyama, Kyoto, Japan
Manufacturer : Kobe Steel, Ltd., Fukuchiyama Plant
3-36, Osadano-Cho, Fukuchiyama, Kyoto, Japan
Grade : KAW52SPG(C)
Welding Process : One-Side Automatic Welding (MAG Welding)
Welding Positions and Max. Diameter of Wire : See Table 1
Current : DCEP
Shielding Gas : CO₂

Table 1 Welding Positions and Max. Diameter of Wire

Butt Weld		Fillet Weld	
Flat:	1.4mm	Flat:	Not Applicable
Horizontal:	Not Applicable	Horizontal Vertical:	Not Applicable
Overhead:	Not Applicable	Horizontal:	Not Applicable
Vertical Upward:	Not Applicable	Horizontal Overhead:	Not Applicable
Vertical Downward:	Not Applicable	Overhead:	Not Applicable
		Vertical Upward:	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.




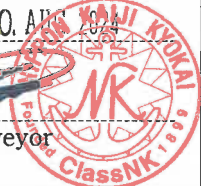
This Certificate will remain in force until 21 December 2023.
Issued at Tokyo on 22 December 2022.

Y. Takao

General Manager

Material and Equipment Department

Note : 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>21. DEC. 2024</u> .</p> <p>Date: <u>28 AUG 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>21. DEC. 2025</u> .</p> <p>Date: <u>30 AUG 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>
<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>