



NIPPON KAIJI KYOKAI

Certificate

Approval No. NKY-3402
Certificate No. TA18218E

OF TYPE APPROVAL FOR WELDING CONSUMABLE

Brand: US-36×2 / PF-I52M / FA-B1 / M-GRITS
[Wire / Flux / Backing / Metal Powder]
Applicant: Kobe Steel, Ltd., Fukuchiyama Plant
Fukuchiyama, Kyoto, Japan
Manufacturer: Kobe Steel, Ltd., Fukuchiyama Plant
Fukuchiyama, Kyoto, Japan
Grade: KAW52SP
Welding Process: Submerged Arc One-Side Welding
Welding Positions and Max. Diameter of Wire: See Table 1
Current: AC
Shielding Gas: Not Applicable
Applicable Thickness of Parent Material: 12mm~27.5mm
Applicable Parent Material: High Tensile Steels for Hull

Table 1 Welding Positions and Max. Diameter of Wire

Butt Weld		Fillet Weld	
Flat:	6.4mm	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 19 December 2018.





Issued at Tokyo on 20 December 2017.

H. Kobayashi
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 19. DEC. 2019 .</p> <p>Date: 31. AUG. 2018</p> <p><i>K. Akimoto</i> 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 19. DEC. 2020 .</p> <p>Date: 30. AUG. 2019</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 19. DEC. 2021 .</p> <p>Date: 31. AUG. 2020</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 19. DEC. 2022 .</p> <p>Date: 30. AUG. 2021</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>