



# NIPPON KAIJI KYOKAI

## *Certificate* *OF* *TYPE APPROVAL*

Approval No. NKY-3470  
Certificate No. TA19959E


Article: Welding Consumables for High Tensile Steels for Hull  
Brand: SW-M12K / SF-65  
[Wire / Flux]  
Applicant: SOREX WELDING CO., LTD.  
Tainan, Taiwan  
Manufacturer: SOREX WELDING CO., LTD.  
Tainan, Taiwan  
Grade: KAW53MH10  
Welding Process: Submerged Arc Welding  
Welding Positions and Max. Diameter of Wire: See Table 1  
Current: DCEP  
Shielding Gas: Not Applicable

Table 1 Welding Positions and Max. Diameter of Wire

Butt Weld		Fillet Weld	
Flat:	4.8mm	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 1 July 2020.  
Issued at Tokyo on 2 July 2019.

  
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.

Certificate No. TA19959E

<p>The validity of this certificate has been renewed until <u>1<sup>st</sup> July 2021</u> .</p> <p>Date: <u>21 July 2020</u></p> <p> <u>[Signature]</u> 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>11<sup>th</sup> December 2021</u> .</p> <p>Date: <u>18 December 2020</u></p> <p> <u>[Signature]</u> 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>11<sup>th</sup> December 2022</u> .</p> <p>Date: <u>14 December 2021</u></p> <p> <u>[Signature]</u> 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>11<sup>th</sup> December 2023</u> .</p> <p>Date: <u>21 December 2022</u></p> <p> <u>[Signature]</u> 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>11<sup>th</sup> December 2024</u> .</p> <p>Date: <u>15 December 2023</u></p> <p> <u>[Signature]</u> Surveyor</p>	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>