



# NIPPON KAIJI KYOKAI

## *Certificate* OF *TYPE APPROVAL*

Approval No. NKY-2028  
Certificate No. TA191639E

Article: Welding Consumables for Steels for Low Temperature Service  
Brand: US-255 / PF-I50LT / RR-3 / FA-B1  
[Wire / Flux / Metal Powder / Backing]  
Applicant: Kobe Steel Ltd., Fukuchiyama Plant  
Fukuchiyama, Kyoto, Japan  
Manufacturer: Kobe Steel Ltd., Fukuchiyama Plant  
Fukuchiyama, Kyoto, Japan  
Grade: KAWL3SP  
Welding Process: Submerged Arc One-Side Welding  
Welding Positions and Max. Diameter of Wire: See Table 1  
Current: AC  
Shielding Gas: Not Applicable

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.

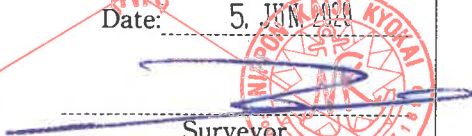
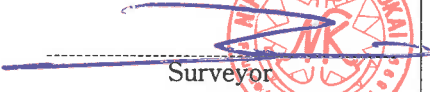
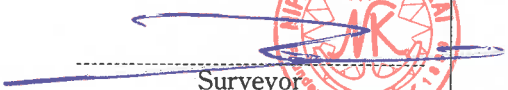
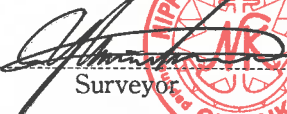
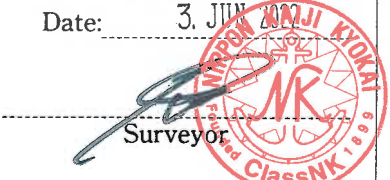
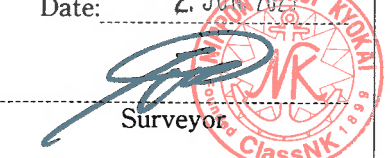
This Certificate will remain in force until 27 July 2020.  
Issued at Tokyo on 8 November 2019.

  
H. Kobayashi  
General Manager  
Material and Equipment Department



- Note : 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 Grade.

Certificate No. TA191639E

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>The validity of this certificate has been renewed<br/>until <u>21. JUL. 2021</u> .</p> <p>Date: <u>5. JUN. 2021</u></p> <p><br/>Surveyor</p>      | <p>The validity of this certificate has been renewed<br/>until <u>27. JUL. 2025</u> .</p> <p>Date: <u>4. JUN. 2024</u></p> <p><br/>Surveyor</p>       |
| <p>The validity of this certificate has been renewed<br/>until <u>27. JUL. 2021</u> .</p> <p>Date: <u>5. JUN. 2021</u></p> <p><br/>Surveyor</p>      | <p>The validity of this certificate has been renewed<br/>until <u>27. JUL. 2026</u> .</p> <p>Date: <u>6. JUN. 2025</u></p> <p><br/>Surveyor</p>       |
| <p>The validity of this certificate has been renewed<br/>until <u>27. JUL. 2022</u> .</p> <p>Date: <u>4. JUN. 2021</u></p> <p><br/>Surveyor</p>  | <p>The validity of this certificate has been renewed<br/>until <u>27. JUL. 2027</u> .</p> <p>Date: <u>12. JUN. 2026</u></p> <p><br/>Surveyor</p>  |
| <p>The validity of this certificate has been renewed<br/>until <u>27. JUL. 2023</u> .</p> <p>Date: <u>3. JUN. 2022</u></p> <p><br/>Surveyor</p>  | <p>The validity of this certificate has been renewed<br/>until _____ .</p> <p>Date: _____</p> <p>_____<br/>Surveyor</p>                                                                                                                                                                                                     |
| <p>The validity of this certificate has been renewed<br/>until <u>27. JUL. 2024</u> .</p> <p>Date: <u>2. JUN. 2023</u></p> <p><br/>Surveyor</p>  | <p>The validity of this certificate has been renewed<br/>until _____ .</p> <p>Date: _____</p> <p>_____<br/>Surveyor</p>                                                                                                                                                                                                     |