



# NIPPON KAIJI KYOKAI

## Certificate

Approval No. NKY-3351  
Certificate No. TA17368E

### OF TYPE APPROVAL FOR WELDING CONSUMABLE

Brand: Coreweld 90-K2  
Applicant: ESAB SeAH Corp.  
Changwon, Gyeongsangnam, Korea  
Manufacturer: ESAB SeAH Corp.  
Changwon, Gyeongsangnam, Korea  
Grade: KSW5Y50G(C)H5  
KAW5Y50MG(C)H5  
Welding Process: Semi-Automatic Welding (MAG Welding)  
Automatic Welding (MAG Welding)  
Welding Positions and Max. Diameter of Wire: See Table 1  
Current: DCEP  
Shielding Gas: CO<sub>2</sub>  
Applicable Parent Material: Quenched and Tempered High Tensile Steels for Structures

Table 1 Welding Positions and Max. Diameter of Wire

| Butt Weld          |                | Fillet Weld          |                |
|--------------------|----------------|----------------------|----------------|
| Flat:              | 1.6mm          | Flat:                | 1.6mm          |
| Horizontal:        | Not Applicable | Horizontal Vertical: | 1.6mm          |
| 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 February 2018.  
Issued at Tokyo on 20 February 2017.

H. Kobayashi

General Manager






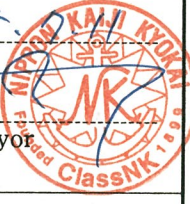


Material and Equipment Department



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

NKY-3351

Certificate No. TA17368E

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|---|---|
| <p>The validity of this certificate has been renewed<br/>until <u>2019.02.19</u> .</p> <p>Date: <u>2018.08.24</u></p> <p> Surveyor</p>   | <p>The validity of this certificate has been renewed<br/>until <u>2024.02-19</u> .</p> <p>Date: <u>2023.07.28</u></p> <p> Surveyor</p>   |
| <p>The validity of this certificate has been renewed<br/>until <u>2020.02.19</u> .</p> <p>Date: <u>2019.08.15</u></p> <p> Surveyor</p>   | <p>The validity of this certificate has been renewed<br/>until <u>2020.02.19</u> .</p> <p>Date: <u>2019.07.18</u></p> <p> Surveyor</p>  |
| <p>The validity of this certificate has been renewed<br/>until <u>2021.02.19</u> .</p> <p>Date: <u>2020.08.14</u></p> <p> Surveyor</p> | <p>The validity of this certificate has been renewed<br/>until <u>2026.02.19</u> .</p> <p>Date: <u>2025.07.11</u></p> <p> Surveyor</p> |
| <p>The validity of this certificate has been renewed<br/>until <u>2022.02.19</u> .</p> <p>Date: <u>2021.07.05</u></p> <p> 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>2023.02.19</u> .</p> <p>Date: <u>2022.08.24</u></p> <p> Surveyor</p> | <p>The validity of this certificate has been renewed<br/>until _____ .</p> <p>Date: _____</p> <p>_____<br/>Surveyor</p>   |