



Type Approval Certificate

[Welding Consumables]

Initial Approval 5 June 2001

Manufacturer ESAB SeAH Corp.
56, Jeongdong-ro 62beon-gil, Seongsan-gu, Changwon-si, Gyeongsangnam-do, Rep. of Korea

Product Description Flux cored wires with gas for semi-automatic arc welding

- Brand : Dual Shield R-70
- Dual Shield 7100
- Dual Shield 7100 Ultra
- Dual Shield II 81-K2
- Coreweld 111RB

* See "Appendix 1"

Approval Condition

1. The product or packing is to be marked with manufacturer name and type designation on a suitable position.
2. Individual Product Certification is not required.
3. Periodical survey is to be carried out at an interval of one(1) year in the presence of the surveyor.

THIS IS TO CERTIFY that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows.

Pt. 2, Ch. 2, Sec. 6, Art. 604 of the Rules for Classification of Steel Ships.

This Certificate is valid until 1 June 2026

Issued at Changwon, Korea on 5 July 2021



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "<http://e-cert.krs.co.kr>" by using the tracking No(ME24037823002) and certificate No.(CWN02485-WD001).



KOREAN REGISTER

*General Manager of
Changwon Branch Office*

Note :

1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.
2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.
3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.
4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.

Product Description and/or Approval Condition

Date of Issue : 5 July 2021

Product Descriptions :

Flux cored wires with gas for semi-automatic arc welding

Brand	Grade	Dia. of Wire (mm)	Welding Position	Current (Polarity)	Shielding Gas
Dual Shield R-70	1YSG(C)H10 3YSG(C)H10	1.2 ~ 2.4	Flat	DC(+)	CO ₂
Dual Shield 7100	1YSG(C)H10 2YSG(C)H10	1.2 ~ 1.6	*(1)	DC(+)	CO ₂
Dual Shield 7100 Ultra	3YSG(C)H10	1.2 ~ 1.6	*(1)	DC(+)	CO ₂
Dual Shield II 81-K2	L3SG(C)H5 5Y40SG(C)H5	1.2 ~ 1.6	*(1)	DC(+)	CO ₂
Coreweld 111RB	2YSG(C)H10	1.2 ~ 1.6	*(1)	DC(+)	CO ₂

* Remark :

(1) Butt & Fillet : Flat, Horizontal, Vertical-up & down and Overhead.

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Endorsement for Periodical Survey

Date of Issue : 5 July 2021

Anniversary Date : 1 June

This is to certify that the product is in compliance with the relevant requirements to obtain/retain the Society's approval in accordance with Pt. 2, Ch. 2, Sec. 6, Art. 604 of the Rules for Classification of Steel Ships. and is valid until 1 June 2022

■ Periodical Survey

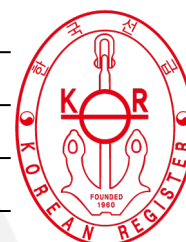
Periodical Survey has been carried out and the product is valid until

1 June 2023

Branch(Office) : Changwon Branch Office

Date : 15 September 2022

Surveyor : YEO Kwangmo



■ Periodical Survey

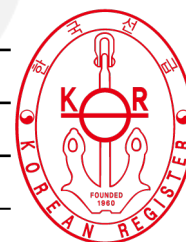
Periodical Survey has been carried out and the product is valid until

1 June 2024

Branch(Office) : Changwon Branch Office

Date : 22 August 2023

Surveyor : YEO Kwangmo



■ Periodical Survey

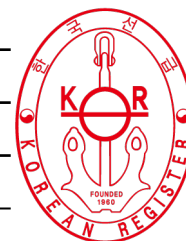
Periodical Survey has been carried out and the product is valid until

1 June 2025

Branch(Office) : Changwon Branch Office

Date : 26 July 2024

Surveyor : KANG Minsu



■ Periodical Survey

Periodical Survey has been carried out and the product is valid until

Branch(Office) :

Date :

Surveyor :

Note : The approval will be automatically suspended and the Certificate become invalid if not endorsed annually within 3 months after the anniversary date of this Certificate