

## TYPE APPROVAL CERTIFICATE

**Certificate No.** : TKY06000-WD009                      **Initial Approval** : 8th November, 2010.  
**Product** : Welding Consumables  
**Manufacturer** : Kobe Steel, Ltd. Fukuchiyama Plant  
No. 3-36, Osadano-cho, Fukuchiyama, Kyoto 620-0853, Japan

**Product Description** : Wire-flux combinations for submerged arc one side automatic welding

- Brand : US-36/PF-I55E/RF-1 (Wire/Flux/Backing Flux)
- Grade : 3YSR
- Diameter (mm) : 4.0 - 6.4
- Current (Polarity) : AC/DC(+)
- Welding Position : Flat

\* Remarks :

- (1) Suitable for tandem welding (2 or 3 wires)
- (2) Max. plate thickness for 2 wires is 20 mm and 3 wires is 35 mm.

See "Appendix 1"

**Approval Condition** : 1. Product or packing is to be marked with manufacturer's 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 and entered in the "List of Approved Manufacturers and Type Approved Equipment".

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

This Certificate is valid until 7th November, 2020 subject to periodical survey.

Issued at Tokyo, Japan on 11th October, 2015.



**KOREAN REGISTER OF SHIPPING**

*Park Munseol*

General Manager of  
Tokyo Branch Office

*Note 1 : The approval will be automatically suspended and the Certificate become invalid from the expiry date of the Certificate in the event that the extension has not been granted or the renewal of the Certificate is not underway.*

*2 : The manufacturer should notify this Society of any modification or changes that may affect the validity of this Certificate.*

Appendix 1

**Endorsement for Periodical Survey**

Certificate No : TKY06000-WD009

Date of Issue : 11th October, 2015.

Anniversary Date : 7th November

This is to certify that the product is in compliance with the relevant requirements to obtain/retain the Society's approval in accordance with Ch. 3, Sec. 2 of the Guidance for Approval of Manufacturing Process and Type Approval, Etc., and is valid until 7th November, 2016.

■ Periodical Survey

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

7th November 2017

Branch(Office) : Tokyo

Date : 19 September 2016

Surveyor : Park Munsu



■ Periodical Survey

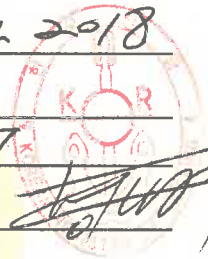
Periodical Survey has been carried out and the product is valid until

7th November 2018

Branch(Office) : Tokyo

Date : 2 Oct. 2017

Surveyor : Hong Byungmu



■ Periodical Survey

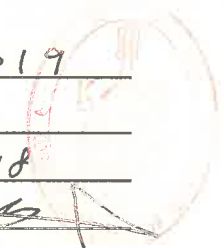
Periodical Survey has been carried out and the product is valid until

7th November 2019

Branch(Office) : Tokyo, Japan

Date : 14th December 2018

Surveyor : Jyun Hwansung



■ Periodical Survey

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

7th November 2020

Branch(Office) : Tokyo, Japan

Date : 26th September 2019

Surveyor : Jyun Hwansung



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