



# 中國驗船中心

## CR Classification Society

Certificate No. Q-01-A235

Date Aug. 28, 2020

### TYPE APPROVAL CERTIFICATE OF WELDING MATERIALS

This is to certify that the following item/items of welding materials

Approved Product : Flux-cored Wire-Gas Combination for Semi-Automatic and Automatic Multi-Run Welding  
Brand Name : DW-Z100 / CO<sub>2</sub> (Flux-cored wire / Shielding gas)  
Wire Size : 1.2 ~ 1.6 mm dia. (Flux-cored wire)  
Grade : 2SM and 2YSM  
Welding Position : Automatic multi-run : Flat  
Semi-automatic multi-run : All positions

manufactured by:

Kobe Steel, Ltd., Ibaraki Plant  
2-19, Higashiunobe-cho, Ibaraki, Osaka, 〒567-0879, Japan

has/have been approved by this Society in accordance with the Requirements provided in

Chapter 4 of Part XII of RULES FOR THE CONSTRUCTION AND CLASSIFICATION OF STEEL SHIPS

This Certificate is valid until 30/06/2025 (dd/mm/yyyy)

This approval of welding materials by this Society is to be revoked in any one of the following cases:

1. Where this Society has recognized that the quality of welding materials is remarkably worse than that when the approval test was carried out.
2. Where welding materials have failed to meet the requirements in annual inspections and tests.
3. Where welding materials are not inspected and tested annually as required by the Rules. (see back of this certificate); or
4. Where the Manufacturer or Product has any significant change.

Issued by CR Classification Society S.A.  
on behalf of CR Classification Society



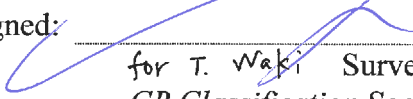
P.C. Chang, Representative in Japan  
CR Classification Society

This is to certify that the annual test of the approved welding materials as required by the Rules was carried out to my satisfaction.



Report No.: **KS- 2449**

Date: 28/06/2021  
(dd/mm/yyyy)

Signed:   
for T. Waki, Surveyor  
CR Classification Society



Report No.: **KS- 2518**

Date: 27/06/2022  
(dd/mm/yyyy)

Signed:   
**P. C. Chang,** Surveyor  
CR Classification Society



Report No.: **KS- 2632**

Date: 10/07/2023  
(dd/mm/yyyy)

Signed:   
for **T. Waki,** Surveyor  
CR Classification Society



Report No.: 232-24-167

Date: 19/08/2024  
(dd/mm/yyyy)

Signed:   
**P. C. Chang,** Surveyor  
CR Classification Society