



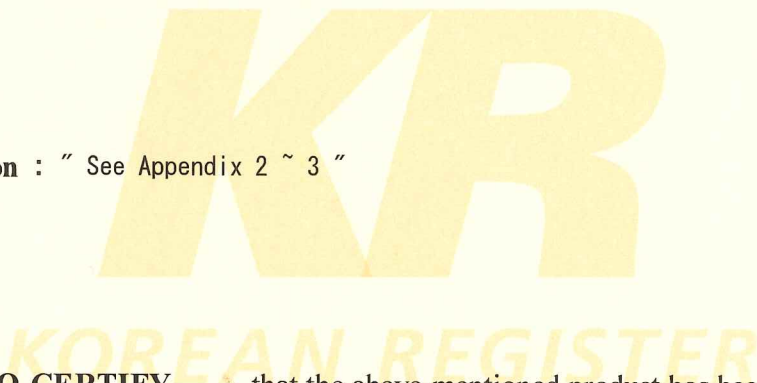
## TYPE APPROVAL CERTIFICATE

**Certificate No.** : NYK34047-FG001                      **Initial Approval :** 27th August, 2015  
**Product** : FRP Grating  
**Manufacturer** : Strongwell-Chatfield  
1610 Highway 52 South, Chatfield, 55923 MN , United States of America

**Product Description** : Type : DURAGRID, DURAGRID PHENOLIC  
- Fire Integrity Level ;  
  . DURAGRID : None  
  . DURAGRID PHENOLIC : Level 2

“ See Appendix 1 ~ 3 ”

**Approval Condition** : “ See Appendix 2 ~ 3 ”



**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.4, Ch.4, Sec.5 of the Rules for Classification of Steel Ships, Ch.3, Sec.34 of Guidance for Approval of Manufacturing Process and Type Approval, Etc. and ASTM F3059-15.

This Certificate is valid until 26th August, 2020  
Reissued at Busan, Korea on 19th September, 2017

  
**KOREAN REGISTER OF SHIPPING**  
  
General Manager of  
Marine & Ocean Equipment Team

*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 of the above-mentioned 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.*