

Amended Rules for FRP Ships

Dec. 2019



KR

- Main Amendments -

(1) Enter into force on 1 January 2020 (the contract date for ship construction)

● To reflect Request for Establishment/Revision of Classification Technical Rules

| Present | Amendment |
|--|---|
| <p style="text-align: center;">CHAPTER 1 GENERAL</p> <p style="text-align: center;">Section 1 General</p> <p>101. <Omitted></p> <p>102. Equivalency Alternative hull construction, equipment, arrangement and scantlings will be accepted by the Society, provided that the Society is satisfied that such construction, equipment, arrangement and scantlings are equivalent to those required in these Rules.</p> <p>103. <Omitted></p> <p style="text-align: center;">Section 2 ~ Section 3 <Omitted></p> | <p style="text-align: center;">CHAPTER 1 GENERAL</p> <p style="text-align: center;">Section 1 General</p> <p>101. <Same as the present Rules></p> <p>102. Equivalency <u>The equivalence of alternative and novel features which deviate from or are not directly applicable to the Rules is to be in accordance with Pt 1, Ch 1 of Rules for the Classification of Steel Ships.</u></p> <p>103.<Same as the present Rules></p> <p style="text-align: center;">Section 2 ~ Section 3 <Same as the present Rules></p> |

| Present | Amendment | | | | | | | | | | | | | | | | |
|---|---|---------------------|---|--|-----------|-----------|---------------------|--|--|-----------|---------------------|---|---|-----------------------------|-----------------------------|---------------------------------------|--|
| <p>CHAPTER 3 MATERIALS</p> <p>Section 1 <Omitted></p> <p>Section 2 FRP Materials</p> <p>201. General</p> <p>1. Application <Omitted></p> <p>2. FRP materials testing</p> <p>(1) ~ (3) <Omitted></p> <p>Table 3.3 Materials testing list and Acceptance Criteria for Fibre Reinforcements</p> <table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 25%;">Test item</th> <th style="width: 75%;">Acceptance criteria</th> </tr> </thead> <tbody> <tr> <td>Tensile strength of fibre of glass roving cloth</td> <td>Mean value : Not less than $0.35W(N)$ W : the stated weight(N) Test results of at least 4 test specimens in 5 test specimens of respective warp and weft directions are not to be less than $0.35W(N)$</td> </tr> <tr> <td><Omitted></td> <td><Omitted></td> </tr> <tr> <td colspan="2">(Note) <Omitted></td> </tr> </tbody> </table> | Test item | Acceptance criteria | Tensile strength of fibre of glass roving cloth | Mean value : Not less than $0.35W(N)$ W : the stated weight(N) Test results of at least 4 test specimens in 5 test specimens of respective warp and weft directions are not to be less than $0.35W(N)$ | <Omitted> | <Omitted> | (Note) <Omitted> | | <p>CHAPTER 3 MATERIALS</p> <p>Section 1 <Same as the present Rules></p> <p>Section 2 FRP Materials</p> <p>201. General</p> <p>1. Application <Same as the present Rules></p> <p>2. FRP materials testing</p> <p>(1) ~ (3) <Same as the present Rules></p> <p>Table 3.3 Materials testing list and Acceptance Criteria for Fibre Reinforcements</p> <table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 25%;">Test item</th> <th style="width: 75%;">Acceptance criteria</th> </tr> </thead> <tbody> <tr> <td>Tensile strength of fibre of glass roving cloth</td> <td>Mean value : Not less than $0.35W (kg)$ W : the stated weight (g) Test results of at least 4 test specimens in 5 test specimens of respective warp and weft directions are not to be less than $0.35W (kg)$</td> </tr> <tr> <td><Same as the present Rules></td> <td><Same as the present Rules></td> </tr> <tr> <td colspan="2">(Note) <Same as the present Rules></td> </tr> </tbody> </table> | Test item | Acceptance criteria | Tensile strength of fibre of glass roving cloth | Mean value : Not less than $0.35W (kg)$ W : the stated weight (g) Test results of at least 4 test specimens in 5 test specimens of respective warp and weft directions are not to be less than $0.35W (kg)$ | <Same as the present Rules> | <Same as the present Rules> | (Note) <Same as the present Rules> | |
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