

# RULES FOR CLASSIFICATION

(Rules for the Classification of FRP Ships)

2019.09.



Hull Rule Development Team

- Main Amendments -  
[External Opinion Inquiry]

(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	reason
<p style="text-align: center;"><b>CHAPTER 1 GENERAL</b></p> <p style="text-align: center;"><b>Section 1 General</b></p> <p>101. &lt;Omitted&gt;</p> <p>102. <b>Equivalency</b>  <del>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.</del></p> <p>103. &lt;Omitted&gt;</p> <p style="text-align: center;"><b>Section 2 ~ Section 3 &lt;Omitted&gt;</b></p>	<p style="text-align: center;"><b>CHAPTER 1 GENERAL</b></p> <p style="text-align: center;"><b>Section 1 General</b></p> <p>101. &lt;Same as the present Rules&gt;</p> <p>102. <b>Equivalency</b>  <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. &lt;Same as the present Rules&gt;</p> <p style="text-align: center;"><b>Section 2 ~ Section 3 &lt;Same as the present Rules&gt;</b></p>	<p>* Request for Establishment/Revision of Classification Technical Rules is reflected.</p>

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<p style="text-align: center;"><b>CHAPTER 3 MATERIALS</b></p> <p style="text-align: center;"><b>Section 1 &lt;Omitted&gt;</b></p> <p style="text-align: center;"><b>Section 2 FRP Materials</b></p> <p>201. General</p> <p>1. Application &lt;Omitted&gt;</p> <p>2. FRP materials testing</p> <p>(1) The material manufacturer is to provide the purchaser with certificates of conformity for each batch of materials supplied(), indicating the relevant values specified in <b>Table 3.1</b> and <b>3.5</b>.</p> <p>(2)~(3) &lt;Omitted&gt;</p> <p style="text-align: center;"><b>Table 3.3 Materials testing list and Acceptance Criteria for Fibre Reinforcements</b></p> <table border="1" data-bbox="161 746 981 1129"> <thead> <tr> <th>Test item</th> <th>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>&lt;Omitted&gt;</td> <td>&lt;Omitted&gt;</td> </tr> </tbody> </table> <p>(Note) &lt;Omitted&gt;</p>	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>	<p style="text-align: center;"><b>CHAPTER 3 MATERIALS</b></p> <p style="text-align: center;"><b>Section 1 &lt;Same as the present Rules&gt;</b></p> <p style="text-align: center;"><b>Section 2 FRP Materials</b></p> <p>201. General</p> <p>1. Application &lt;Same as the present Rules&gt;</p> <p>2. FRP materials testing</p> <p>(1) The material manufacturer is to provide the purchaser with certificates of conformity for each batch of materials supplied(), indicating the relevant values specified in <b>Table 3.1</b> and <b>3.5</b>.</p> <p>(2)~(3) &lt;Same as the present Rules&gt;</p> <p style="text-align: center;"><b>Table 3.3 Materials testing list and Acceptance Criteria for Fibre Reinforcements</b></p> <table border="1" data-bbox="1001 746 1821 1129"> <thead> <tr> <th>Test item</th> <th>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>&lt;Same as the present Rules&gt;</td> <td>&lt;Same as the present Rules&gt;</td> </tr> </tbody> </table> <p>(Note) &lt;Same as the present Rules&gt;</p>	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>	<p style="text-align: center;">* Correcting simple item</p>
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2019.09.



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[External Opinion Inquiry]

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

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<p style="text-align: center;"><b>CHAPTER 1 GENERAL</b></p> <p style="text-align: center;"><b>Section 1 ~ Section 2 &lt;Omitted&gt;</b></p> <p style="text-align: center;"><b>Section 3 Hull Construction and Equipment</b></p> <p><b>303. Passenger Ships</b></p> <p>Passenger ships are to be accordance with following for the safety.</p> <p>(1) ~ (2) &lt;Omitted&gt;</p> <p>(3) The Ceilings and linings used in accommodation spaces, service spaces and control stations are to be of non-combustible material, and furniture and furnishings(including curtains, carpet, etc.) are to be of restricted fire risk.(See the Ships Safety Law of Korea, Standard of Fire Protection, Article 23, ㉠ and Appendix 1, Notes (6))</p> <p>(4) &lt;Omitted&gt;</p> <p><b>304. ~ 307. &lt;Omitted&gt;</b></p>	<p style="text-align: center;"><b>CHAPTER 1 GENERAL</b></p> <p style="text-align: center;"><b>Section 1 ~ Section 2 &lt;Same as the present Rules&gt;</b></p> <p style="text-align: center;"><b>Section 3 Hull Construction and Equipment</b></p> <p><b>303. Passenger Ships</b></p> <p>Passenger ships are to be accordance with following for the safety.</p> <p>(1) ~ (2) &lt;Same as the present Rules&gt;</p> <p>(3) The Ceilings and linings used in accommodation spaces, service spaces and control stations are to be of non-combustible material, and furniture and furnishings(including curtains, carpet, etc.) are to be of restricted fire risk.(See the Ships Safety Law of Korea, Standard of Fire Protection, Article <u>22</u>, ㉠ and Appendix 1, Notes (6))</p> <p>(4) &lt;Same as the present Rules&gt;</p> <p><b>304. ~ 307. &lt;Same as the present Rules&gt;</b></p>	<p>* Correcting simple item</p>