

## **Side Scuttles and Rectangular Windows**

### **Object of Amendment**

Rules for the Survey and Construction of Steel Ships Part L

### **Reason for Amendment**

Requirements for side scuttles and rectangular windows in Chapters 7 and 8 of Part L of the Rules for the Survey and Construction of Steel Ships stipulate steel or iron used for component parts such as main frames, glassholders, glass retaining rings, etc. is to be galvanized to obtain corrosion resistance properties.

In recent years, however, the use of painted windows has increased because painting is seen as being equivalent to galvanising in terms of corrosion resistance performance.

Accordingly, relevant requirements are amended to allow the use of products with painted or equivalently coated finishes.

### **Outline of Amendment**

Specify that painting and other coating methods are permitted for corrosion resistance treatment purposes in addition to galvanising when steel or iron is used.

### **Effective Date and Application**

Effective date of this draft amendment is the date of establishment.

ID: DH24-02

Amended-Original Requirements Comparison Table (Side Scuttles and Rectangular Windows)

Amended	Original	Remarks
<p><b>RULES FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS</b></p> <p><b>Part L EQUIPMENT</b></p> <p><b>Chapter 7 SIDE SCUTTLES</b></p> <p><b>7.1 Side Scuttles</b></p> <p><b>7.1.4 Materials</b></p> <p><b>1</b> Main frame, glassholder, glass retaining ring and deadlight</p> <p>The materials used for the main components of the side scuttles (main frame, glassholder, glass retaining ring and deadlight) are to be in accordance with the requirements as given in <b>Table L7.4</b>. These materials are to have the following properties in (1) and (2).</p> <p>(1) <u>Corrosion resistance is to be obtained through galvanising, painting, etc. where steel or iron is used.</u></p> <p>(2) <u>Minimum mechanical properties as given in Table L7.5. (One tensile test specimen is to be taken from each cast. Where the number of casting from one cast exceeds 50, an additional specimen is to be taken from each 50 castings of fraction thereof. For aluminium extruded shapes, one tensile test specimen is to be taken per each lot. Extruded shapes of similar thickness made from the same melting and heat treated simultaneously are treated as one lot.</u></p>	<p><b>RULES FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS</b></p> <p><b>Part L EQUIPMENT</b></p> <p><b>Chapter 7 SIDE SCUTTLES</b></p> <p><b>7.1 Side Scuttles</b></p> <p><b>7.1.4 Materials</b></p> <p><b>1</b> Main frame, glassholder, glass retaining ring and deadlight</p> <p>The materials used for the main components of the side scuttles (main frame, glassholder, glass retaining ring and deadlight) are to be in accordance with the requirements as given in <b>Table L7.4</b>. These materials are to have the following properties in (1) and (2).</p> <p>(1) resistant corrosion;</p> <p>(2) <u>minimum mechanical properties as given in Table L7.5. (One tensile test specimen is to be taken from each cast. Where the number of casting from one cast exceeds 50, an additional specimen is to be taken from each 50 castings of fraction thereof. For aluminium extruded shapes, one tensile test specimen is to be taken per each lot. Extruded shapes of similar thickness made from the same melting and heat treated simultaneously are treated as one lot. Where the number of identical lots exceeds 50, an</u></p>	<p>Revise so that methods to provide resistant corrosion other than galvanizing can be applied.</p>

**Amended-Original Requirements Comparison Table (Side Scuttles and Rectangular Windows)**

Amended	Original	Remarks
<p>Where the number of identical lots exceeds 50, an additional specimen is to be taken for each 50 lots or fraction thereof.) (Deleted)</p>	<p>additional specimen is to be taken for each 50 lots or fraction thereof.)</p> <p><u>4</u> Where steel or iron is used, the side scuttles are to be <u>galvanized.</u></p>	<p>Delete as it is covered by the previous -1.</p>
<p><b>Chapter 8      RECTANGULAR WINDOWS</b></p> <p><b>8.1 Rectangular Windows</b></p> <p><b>8.1.4 Materials</b></p> <p><b>1</b> Main frame, glassholder and glass retaining frame The materials used for the main components of the rectangular windows (main frame, glassholder and glass retaining frame) are to be in accordance with the requirements as given in <b>Table L8.3</b>. These materials are to have the following properties in <b>(1)</b> and <b>(2)</b>.</p> <p>(1) <u>Corrosion resistance is to be obtained through galvanising, painting, etc. where steel or iron is used.</u></p> <p>(2) <u>Minimum mechanical properties as given in Table L8.4.</u> (One tensile test specimen is to be taken from each cast. Where the number of casting from one cast exceeds 50, an additional specimen is to be taken from each 50 castings of fraction thereof. For aluminium extruded shapes, one tensile test specimen is to be taken for one piece per each lot.</p>	<p><b>Chapter 8      RECTANGULAR WINDOWS</b></p> <p><b>8.1 Rectangular Windows</b></p> <p><b>8.1.4 Materials</b></p> <p><b>1</b> Main frame, glassholder and glass retaining frame The materials used for the main components of the rectangular windows (main frame, glassholder and glass retaining frame) are to be in accordance with the requirements as given in <b>Table L8.3</b>. These materials are to have the following properties in <b>(1)</b> and <b>(2)</b>.</p> <p>(1) <u>resistant corrosion;</u></p> <p>(2) minimum mechanical properties as given in <b>Table L8.4.</b> (One tensile test specimen is to be taken from each cast. Where the number of casting from one cast exceeds 50, an additional specimen is to be taken from each 50 castings of fraction thereof. For aluminium extruded shapes, one tensile test specimen is to be taken for one piece per each lot.</p>	<p>Revise so that methods to provide resistant corrosion other than galvanizing can be applied.</p>

**Amended-Original Requirements Comparison Table (Side Scuttles and Rectangular Windows)**

Amended	Original	Remarks
<p>Extruded shapes of similar thickness made from the same melting and heat treated simultaneously are treated as one lot. Where the number of identical lots exceeds 50, an additional specimen is to be taken for each 50 lots or fraction thereof.)</p> <p>(Deleted)</p>  <p align="center">EFFECTIVE DATE AND APPLICATION</p> <p>1. The effective date of the amendments is [the date of establishment].</p>	<p>Extruded shapes of similar thickness made from the same melting and heat treated simultaneously are treated as one lot. Where the number of identical lots exceeds 50, an additional specimen is to be taken for each 50 lots or fraction thereof.)</p> <p><u>4 Where steel or iron is used, the rectangular windows are to be galvanized.</u></p>	<p>Delete as it is covered by the previous -1.</p>