



# RUSSIAN MARITIME REGISTER OF SHIPPING

**CIRCULAR LETTER**

**No. 314-04-1821c**

dated 23.09.2022

Re:

amendments to the Rules for Technical Supervision during Construction of Ships and Manufacture of Materials and Products for Ships, 2022, ND No. 2-020101-156-E

Item(s) of supervision:

materials

Entry-into-force date:

**01.11.2022**

Cancels / amends / adds Circular Letter No.

dated

Number of pages: 1 + 3

Appendices:

Appendix 1: information on amendments introduced by the Circular Letter

Appendix 2: text of amendments to Part III "Technical Supervision during Manufacture of Materials"

Director General

Konstantin G. Palnikov

Text of CL:

We hereby inform that the Rules for Technical Supervision during Construction of Ships and Manufacture of Materials and Products for Ships shall be amended as specified in the Appendices to the Circular Letter.

It is necessary to do the following:

1. Bring the content of the Circular Letter to the notice of the RS surveyors, as well as interested organizations and persons in the area of the RS Branch Offices' activity.
2. Apply the provisions of the Circular Letter during review and approval of technical documentation on materials used on ships contracted for construction or conversion on or after 01.11.2022, in case of absence of a ship's data, during review and approval of documentation on materials requested for review on or after 01.11.2022.

List of the amended and/or introduced paras/chapters/sections:

Part III: para 3.5.11.1.3 and Table 7.4.2.2

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**Information on amendments introduced by the Circular Letter  
(for inclusion in the Revision History to the RS Publication)**

Nos.	Amended paras/chapters/ sections	Information on amendments	Number and date of the Circular Letter	Entry-into-force date
1	Para 3.5.11.1.3	Reference has been specified	314-04-1821c of 23.09.2022	01.11.2022
2	Table 7.4.2.2	Requirements for allowable conditions of supply of alloy 15654 have been specified	314-04-1821c of 23.09.2022	01.11.2022

# **RULES FOR TECHNICAL SUPERVISION DURING CONSTRUCTION OF SHIPS AND MANUFACTURE OF MATERIALS AND PRODUCTS FOR SHIPS, 2022,**

**ND No. 2-020101-156-E**

## **PART III. TECHNICAL SUPERVISION DURING MANUFACTURE OF MATERIALS**

### **3 NON-METALLIC MATERIALS**

1 **Para 3.5.11.1.3** is replaced by the following text:

"**3** compliance of Final Inspection Report on surface preparation and coating application (reference recommended form in Appendix 2, Section 2, "Survey of hulls of steel ships" of the Guidelines on Technical Supervision of Ships under Construction) with the requirements of the manufacturer's documents (technical requirements, specifications, Technical Data Sheet). The Inspection Report shall be issued by the coating inspector having qualification in compliance with 3.5.11.1.2. The coating inspector shall be responsible for confirmation that quality control procedures for surface preparation and coating application meet the requirements of the RS-approved documentation.".

### **7 APPROVAL OF WELDING PROCEDURES FOR ALUMINIUM ALLOYS**

2 **Table 7.4.2.2** is replaced by the following text:

"Table 7.4.2.2

Base metal		Grade of welding consumable	Properties of welded joints (at least)		
Grade	Condition of supply		Tensile strength	Static bend <sup>1</sup>	
			$R_m$ , MPa	Ratio $d/t_s^2$	Bend angle, in deg.
International alloys					
5754	O, F, H111, H24	RA/WA	190	4	180
5086	O, F, H111, H116, H32, H34	RB/WB	240	6	180
5083	O, F, H116, H321	RC/WC	270	6	180
5383,5456	O, H111, H116, H321	RC/WC	290	6	180
5059	O, H111, H116, H321	RC/WC	330	6	180
6005A	T5, T6	RD/WD	165	7	180
6061	T4	RD/WD	165	6	180
	T5, T6	RD/WD	165	7	180
6082	T4	RD/WD	170	6	180
	T5, T6	RD/WD	170	7	180
National alloys					
1530	O, H111, H112,	R1/W1			
	$t_s \leq 12,5$ mm		185	4	180
	$t_s > 12,5$ mm		165	4	180
1550	O, H111, H112,	R2/W2			
	$t_s \leq 12,5$ mm		275	6	180
	$t_s > 12,5$ mm		255	6	180
1561	O, H111, H112,	R3/W3	305	6	180
1565 <sub>4</sub>	O, H112, H116, H321	R3/W3	305	6	180
		R4/W4	335	6	180
1561H	H32, H321	R3/W3	305	6	180
1575	O, H111, H112	R4/W4	360	6	180

Base metal		Grade of welding consumable	Properties of welded joints (at least)		
Grade	Condition of supply		Tensile strength	Static bend <sup>1</sup>	
			$R_m$ , MPa	Ratio $d/t_s^2$	Bend angle, in deg.
1581	O, H112	R3/W3	320	6	180
		R4/W4	355	6	180
[AlSi1MgMn]	T5, T6	R5/W5	165	7	180
<sup>1</sup> At assessment of the test results the following shall be taken into consideration: after the specimen bending through the required angle, no defects more than 3 mm in length shall appear on its surface; defects on the specimen edges may be neglected if they were not caused by poor fusion.					
<sup>2</sup> Symbols: $d$ — diameter of punch or inner roller, in mm; $t_s$ — bend test specimen thickness, in mm.					

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