

Guideline No.C-04 (201510)



# **C-04**

# **CARPET**

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## **Foreword**

CCS Product Inspection and Testing Guideline (hereinafter referred to as this Guideline) contains the technical requirements, inspection and testing criteria related to classification and statutory survey of marine products to be applied for CCS approval/inspection.

This Guideline frees the users to adopt other test methods and requirements which are equivalent to or are stricter than this Guideline.

This Guideline is published and updated by CCS, and is released at <http://www.ccs.org.cn>. Your comments or suggestions are welcomed and may be sent to our email addressed [mp@ccs.org.cn](mailto:mp@ccs.org.cn).

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## **CARPET**

### **1 Application**

1.1 The Guideline applies to carpets with low flame-spread characteristics that are used on ships and offshore installations.

### **2 Basis for approval and inspection**

- (1) SOLAS II-2/3, 5, 6
- (2) Parts 2 and 5 of Appendix 1; Appendix 2 of *the International Code for Application of Fire Test Procedures*, 2010 (Part 2 and 5 of Appendix 1; Appendix 2 of 2010 FTP CODE)

### **3 Terms and definitions**

3.1 The terms and definitions involved in the Guideline are in line with those of SOLAS II-2/3.

### **4 Plans and documents**

4.1 The applicant should submit the following documents to CCS for information when applying for CCS works approval.

- (1) Particulars of manufacturer: Manufacturer history and present status, relevant product manufacturing history and operation status, name, usage, specification and capacity of main production and inspection equipment, technical and inspection personnel, and product brand;
- (2) Details of products applied for approval: Including the product name, specification and model;
- (3) Main raw material description: Including the name, model/specification, acceptance method and source;
- (4) Main production process: The production process flow chart indicating the inspection/test control point;
- (5) Quality management document.

4.2 The type approval test program, technical conditions for inspection and delivery and / or enterprise standards should be submitted to CCS for approval.

### **5 Technical requirement**

5.1 The product should meet relevant requirements of 2 of the Guideline.

## 6 Carpet selection for type test

6.1 The type test should be carried out on each type of carpet applied by the applicant for approval. Different types mean different raw tufting materials, different structures or different tufting yarn densities. For the same type of carpets with different pile thicknesses, the product sample with the biggest thickness can be used for type test, and the test result can apply to those products with smaller thickness.

## 7 Type test items

7.1 For type test, see Table 7.1.

**List of carpet type test items**

**Table 7.1**

No.	Test items	Technical requirement	Test method
1.	Test for surface flammability	Part 5 and its Annex 1 , Appendix 1 of the 2010 FTP CODE	Annex 1 of Part 5 , Appendix 1 of the 2010 FTP CODE
2.	Smoke and toxicity test*	Part 2 and its Annex 1,2, Appendix 1 of the 2010 FTP CODE	Annex 1,2 of Part 2, Appendix 1 of the 2010 FTP CODE

\* According to the provisions in Appendix 2 of the PTP CODE (2010), a carpet with both the total heat release ( $Q_t$ ) of not more than 0.2MJ and the peak heat release rate ( $Q_p$ ) of not more than 1 KW (both values determined in accordance with Part 5 of Appendix 1) is considered to comply with the requirements of part 2 of annex 1 without further testing

## 8 Unit/batch inspection

8.1 After approval, the carpet unit/batch inspection will be carried out as per the product inspection procedure authorized during the approval.

8.2 After the carpet unit/batch inspection, CCS product certificate or equivalent document can be issued for the qualified product.

## 9 Miscellaneous

The Surveyor should verify the position of carpet on the ship according to the provisions indicated by the certificate before it is placed on the ship.