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composed of 7 sections
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Notified Body 2690 - MARINE EQUIPMENT DIRECTIVE 2014/90/EU

EC TYPE EXAMINATION CERTIFICATE

as per Module B of Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations and Commission Implementing Regulation (EU) 2025/1533 of 23 July 2025

This certificate is issued to:

BALL & YOUNG LTD.

53 Causeway Road, Earlstrees Industrial Estate, NN17 4DU, CORBY, UNITED KINGDOM

for the type of product

**SURFACE MATERIALS AND FLOOR COVERINGS WITH LOW FLAME-SPREAD
CHARACTERISTICS: FLOOR COVERINGS**

Floor Coverings / Carpet underlays:

Type Cast Iron FR / Contract 6 mm FR / Cruise Liner FR,

Type Cast Iron 8mm FR / Contract 8 FR / Cruise Liner 8 FR and

Type Cloud 9 Flame Retardant 6 / Cloud 9 Flame Retardant 8 / Cloud 9 Flame Retardant 4

Requirements:

Row 1 of 1 of Regulation (EU) 2025/1533:

SOLAS 74 convention as amended, Regulations II-2/3, II-2/5, II-2/6, X/3

IMO Res. MSC.36(63) -(1994 HSC Code)- as amended, 7

IMO Res. MSC.97(73) -(2000 HSC Code)- as amended, 7

IMO Res. MSC.307(88) -(2010 FTP Code)-, as amended

IMO MSC/Circ.1120

This certificate is issued on behalf of the French Maritime Authorities to attest that Bureau Veritas Marine & Offshore did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations.

This certificate will expire on: 15 Apr 2031


For Bureau Veritas Marine & Offshore Notified Body 2690,

At BV LONDON, on 15 Apr 2026,

Spencer Yule

This certificate was created electronically and is valid without signature



This certificate does not allow to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark ) to the products corresponding to this type. To this end, the production-control phase module (D, E or F) of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a notified body.

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. Bureau Veritas Marine & Offshore is designated by the French Maritime Authority as a "notified body" under the terms of the French Regulations Division 140 Chapter 140-2. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

1.1 - Cast Iron FR / Contract 6 mm FR / Cruise Liner FR and Cast Iron 8 mm FR / Contract 8 FR / Cruise Liner 8 FR

Floor covering/carpet underlay made of polyurethane re-bonded chip foam core (6 or 8 mm - 140 kg/m³) with grey polyethylene film (20-30 µm and 15-25 g/m² for thickness 6 mm / 25-30 µm and 25-30 g/m² for thickness 8 mm) laminated to bottom surface and non-woven polypropylene (white coloured, 40 µm and 40 g/m² for thickness 6 mm / pink coloured, 100 µm and 40 g/m² for thickness 8 mm) laminated to the top surface.

	Cast Iron FR / Contract 6 mm FR / Cruise Liner FR	Cast Iron 8 mm FR / Contract 8 FR / Cruise Liner 8 FR
Nominal thickness	6 mm	8 mm
Mass per unit area	909 g/m ²	1176 g/m ²

For tests, the products were glued on a 3 mm steel plate with adhesive "Styccobond F40" (application rate 120-150 g/m²; manufactured by F-Ball & Co. Ltd., UK).

1.2 - Cloud 9 Flame Retardant 6, Cloud 9 Flame Retardant 8 and Cloud 9 Flame Retardant 4

Floor covering/carpet underlay made of a reconstituted polyurethane chip foam type "160 CMP BY" (density 160 kg/m³) with a printed polyethylene film type "MC00007" (25-30 µm - 30 g/m²) laminated to the top surface and with a grey polyethylene film "type MC00006" (25-30 µm - 25 g/m²) laminated to the bottom surface.

	Cloud 9 Flame Retardant 6	Cloud 9 Flame Retardant 8	Cloud 9 Flame Retardant 4
Nominal thickness	6 mm	8 mm	4 mm
Mass per unit area	1015 g/m ²	1334 g/m ²	690 g/m ²

For tests, the products were glued on a 3 mm steel plate with adhesive "Styccobond F40" (maximal application rate 250 g/m²; thickness 0.1 mm; manufactured by F-Ball & Co. Ltd., UK).

2. DOCUMENTS AND DRAWINGS:

- 2.1 - Cast Iron FR / Contract 6 mm FR / Cruise Liner FR: Technical data sheet, Issue 1 dated 06/01/2016.
- 2.2 - Cast Iron 8 mm FR: Technical data sheet, Issue 3 dated 29/01/2021.
- 2.3 - Contract 8 FR / Cruise Liner 8 FR: Technical data sheet, Issue 1 dated 23/03/2021.
- 2.4 - Cloud 9 Flame Retardant 6: Technical data sheet, Issue 6 dated 04/09/2017.
- 2.5 - Cloud 9 Flame Retardant 8: Technical data sheet, Issue 4 dated 04/09/2017.
- 2.6 - Cloud 9 Flame Retardant 4: Technical data sheet, Issue 4 dated 04/09/2017.

3. TEST REPORTS:

Test reports from Warringtonfire, UK:

3.1 - Contract 6 mm FR

- Test report N° 358192 Issue 1 dated 17/11/2015, as per IMO 2010 FTP Code Annex 1 Part 5.
- Test report N° 359895 Issue 1 dated 20/01/2016, as per IMO 2010 FTP Code Annex 1 Part 2.

3.2 - Cruise Liner FR

- Test report N° 358903 Issue 1 dated 17/11/2015, as per IMO 2010 FTP Code Annex 1 Part 5.
- Test report N° 359896 Issue 1 dated 20/01/2016, as per IMO 2010 FTP Code Annex 1 Part 2.

3.3 - Cast Iron FR

- Test report N° 358904 Issue 1 dated 17/11/2015, as per IMO 2010 FTP Code Annex 1 Part 5.
- Test report N° 359897 Issue 1 dated 20/01/2016, as per IMO 2010 FTP Code Annex 1 Part 2.

3.4 - Cast Iron 8 mm FR / Contract 8 FR / Cruise Liner 8 FR

- Test report N° 435581 Issue 1 dated 21/12/2020, as per IMO 2010 FTP Code Annex 1 Part 5.
- Test report N° 435582 Issue 1 dated 03/02/2021, as per IMO 2010 FTP Code Annex 1 Part 2.

3.5 - Cloud 9 Flame Retardant 6

- Test report N° 386341 Issue 1 dated 01/09/2017, as per IMO 2010 FTP Code Annex 1 Part 5.
- Test report N° 385143 Issue 1 dated 03/08/2017, as per IMO 2010 FTP Code Annex 1 Part 2.

3.6 - Cloud 9 Flame Retardant 8

- Test report N° 386343 Issue 1 dated 01/09/2017, as per IMO 2010 FTP Code Annex 1 Part 5.
- Test report N° 385144 dated 03/08/2017, as per IMO 2010 FTP Code Annex 1 Part 2.

3.7 - Cloud 9 Flame Retardant 4

- Test report N° 391958 Issue 1 dated 14/12/2017, as per IMO 2010 FTP Code Annex 1 Part 5.
- Test report N° 385142 Issue 1 dated 03/08/2017, as per IMO 2010 FTP Code Annex 1 Part 2.

4. APPLICATION / LIMITATION:

4.1 - **Cast Iron FR / Contract 6 mm FR / Cruise Liner FR and Cast Iron 8 mm FR / Contract 8 FR / Cruise Liner 8 FR:** These products are to be used as floor coverings or primary deck coverings only.

4.2 - **Cloud 9 Flame Retardant 6, Cloud 9 Flame Retardant 8 and Cloud 9 Flame Retardant 4:** These products are to be used as floor coverings only (not suitable as primary deck coverings).

4.3 - The fitting aboard to be the same as described in §1.

4.4 - The products may be applied over any low flame-spread floor covering, steel or non-combustible material.

5. PRODUCTION SURVEY REQUIREMENTS:

This certificate alone does not allow the applicant to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module D Production Quality Assurance or module E Product Quality Assurance or module F Product Verification of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.

6. MARKING OF PRODUCT:

6.1 - Reference is made to MED 2014/90/EU chapter 2.

In particular Article 10.3 specifies that the wheelmark shall be followed by the identification number of the Notified Body involved in the production control phase (module D, E or F) and by the year in which the mark is affixed (4 digits or last 2 digits).

6.2 - This equipment is covered by the scope of the Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment signed February 27th, 2004 and amended by Decision No.1/2023 dated 26 May 2023 according to U.S. Coast Guard approval category indicated on front page of this certificate.

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F) as allowed by the MED.

7. OTHERS:

7.1 - It is **BALL & YOUNG LTD.**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2 - This Certificate supersedes EC Type Examination Certificate N° 44623/B0 MED issued on 14/04/2021 by the Society.

*** END OF CERTIFICATE ***