



## CERTIFICATE OF FIRE APPROVAL

This is to certify that

The product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations and with the International Convention for the Safety of Life at Sea, (SOLAS), 1974, as amended, for use on ships and offshore installations classed with Lloyd's Register, and for use on ships and offshore installations when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

<b>Manufacturer</b>	Forbo Flooring Coral N.V.
<b>Address</b>	Vlietsend 20A 1561 AC Krommenie The Netherlands
<b>Type</b>	<b>MATERIAL HAVING LOW FLAME SPREAD CHARACTERISTICS &amp; NOT CAPABLE OF PRODUCING EXCESSIVE SMOKE &amp; TOXIC PRODUCTS OF COMBUSTION</b>
<b>Description</b>	Fire-Resisting Floor Covering Material – Type “Coral Marine FR” Carpet
<b>Specified Standard</b>	IMO Res. MSC.307(88) – (2010 FTP Code) Annex 1 Part 2 and Part 5

**The attached Design Appraisal Document forms part of this certificate.**

**This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.**

Date of issue 30 August 2018 Expiry date 29 August 2023

Certificate No. SAS F180240

Signed

Sheet No 1 of 2

Name

J. M. Evans  
Surveyor to Lloyd's Register EMEA  
A Member of the Lloyd's Register Group

**Note:**

**This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register of any modification or changes to the equipment in order to obtain a valid Certificate.**

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



Lloyd's  
Register

## Lloyd's Register EMEA

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### DESIGN APPRAISAL DOCUMENT

Date 30 August 2018	Quote this reference on all future communications UKITSO/FIRE/TA/JE/WP33521702
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#### ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F180240

This Design Appraisal Document forms part of the Certificate.

#### APPROVAL DOCUMENTATION

Crepim, Parc de la Porte Nord, 62700 Bruay-La-Buissiere, France; Fire Test Reports No. REE IMO-2 1039/111/72A and REE IMO-2 1039/111/72A both dated 24<sup>th</sup> August 2017.

#### CONDITIONS OF CERTIFICATION

1. When applied to a non combustible substrate.
2. Carpet floor covering consisting of: tufted wool / polyamide mix pile (height 6mm, weight 1120 g/m<sup>2</sup>) on PES support with FR latex backing. Bonded with adhesive '540 FR'
3. Total thickness of carpet after manufacturing process complete: 9mm
4. Composition of individual components including any fire retardants and adhesives to be maintained in production in accordance with originally tested composition formula
5. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that items are of the same standard as the approved prototype

#### PLACE OF PRODUCTION

Forbo Flooring Coral N.V.  
Vlietsend 20A  
1561 AC  
Krommenie  
The Netherlands



Jessica Evans  
Senior Specialist  
Fire & Safety, Statutory Discipline Team  
UK&I Technical Support Office, Marine & Offshore  
Lloyd's Register EMEA

#### Supplementary Type Approval Terms and Conditions

*This certificate and Design Appraisal Document relates to type approval, it certifies that the prototype(s) of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein, it does not mean or imply approval for any other use, nor approval of any products designed or manufactured otherwise than in strict conformity with the said prototype(s).*