



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.

Manufacturer	Recticel B.V.
Address	Schuilheuvelstraat 1 4116 GA Buren The Netherlands
Type	MATERIAL HAVING LOW FLAME SPREAD CHARACTERISTICS & NOT CAPABLE OF PRODUCING EXCESSIVE SMOKE & TOXIC PRODUCTS OF COMBUSTION
Description	Fire-Resisting Material – Type “Fenixbase” Carpet Underlay
Specified Standard	IMO Res. MSC.61 (67) - (FTP Code) Annex 1 Part 2 and Part 5 IMO MSC/Circ.1120 IMO Res. MSC.307(88) – (2010 FTP Code) Section 8

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	25 June 2015	Expiry date	20 October 2018
Certificate No.	SAS F130232/M1	Signed	 Fire Safety, MATES Lloyd's Register EMEA 
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.



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DESIGN APPRAISAL DOCUMENT

Date	Quote this reference on all future communications
25 June 2015	MTES/TA/SFS/JE/WP21153223

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F130232/M1

This Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Bodycote Warrington Fire Research Centre Ltd, Holmesfield Road, Warrington, WA1 2DS, United Kingdom, Fire Test Reports No. 169696, No. 169697 and 169698 all dated 12th March 2008.

Warringtonfirgent Fire Test Laboratory, Gent, Belgium, Fire Test Reports No. 13031A, No. 13031B and No. 13031C all dated 30th January 2008.

Addendum to Warringtonfirgent Fire Test Reports No. . 13031A, No. 13031B and No. 13031C - Ref VDV/FD/08-09041208 dated 4th September 2008.

CONDITIONS OF CERTIFICATION

1. When applied to a non-combustible substrate.
2. Consisting of: 'Recfoam U140' polyurethane foam core (4mm to 8mm thick, density 140kg/m³), laminated with 'Compound Alu/Polyester FR' facing (31µm thick, weight 61g/m²) and 'Spun PP Zwart' polypropylene backing (5µm thick, weight 28g/m²). Bonded using 'protechnic adhesive' applied at rate 29g/m². 'Compound Alu/Polyester FR' consists of: foil 'Aluminium Foil' (12µm thick, weight 33g/m²) and film 'Polyester FR' (19µm thick, weight 28g/m²) both manufactured by W. Bosch & Co.
3. Overall thickness 4mm to 8mm, density 140kg/m³ to 156kg/m³.
4. Composition of individual components 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

Recticel B.V.
Schuilheuvelstraat 1
Postbus 726,
4116 ZJ Buren
The Netherlands



J. M. Evans
Senior Specialist
Statutory Fire & Safety
Marine Technology and Engineering Services
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).