

# 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>	<b>Helder &amp; May B.V.</b>
<b>Address</b>	Energieweg 6, 4231 DJ Meerkerk, The Netherlands
<b>Type</b>	Material Having Low Flame Spread Characteristics & Not Capable Of Producing Excessive Quantities Of Smoke & Toxic Products Of Combustion
<b>Description</b>	Fire-Resisting Material
<b>Trade Name</b>	NAUTEC FS 09
<b>Specified Standard</b>	IMO Res. MSC.307(88) – (2010 FTP Code) Annex 1 Part 5 and Annex 2

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 EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document and its supplementary Type Approval Terms and Conditions form 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.

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**Jessica Evans**

Senior Surveyor to Lloyd's Register EMEA  
A member of the Lloyd's Register group

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**ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR2029887SF**

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions, and this Design Appraisal Document forms part of the Certificate.

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This certificate is a renewal of certificate SASF150238/M1

**APPROVAL DOCUMENTATION**

**TEST REPORTS**

Exova Warringtonfire, Industriepark Hochst, C369, Frankfurt am Main, D-65926, Germany, Fire Test Report No. 2014-2070-1 dated 31<sup>st</sup> October 2014.

**CONDITIONS OF CERTIFICATION**

1. Tested on a steel substrate.
2. Consisting of cement based deck covering applied as screed with mixing ratio 5.7l water to 15kg dry product.
3. Smoke and toxicity criteria is satisfied by meeting the total heat release (Qt) and peak heat release rate (qp) as stated in IMO Fire Test Procedures Code, Annex 2, Section 2.2.
4. Composition of individual coatings 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.
6. The certificate holder is solely responsible for the products supplied under this Certificate and to ensure that their products, whether manufactured by themselves or their licensee manufacturers, if agreed by Lloyd's Register, are fully compliant with the relevant statutory regulations and Lloyd's Register Class rules as applicable and designed, manufactured and installed to the same quality and specifications as the prototype tested, including components that are designed and manufactured by third parties.

**ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR2029887SF**

**PLACE OF PRODUCTION**

Schönox GmbH  
Alfred-Nobel-Str. 6  
48720 Rosendahl  
Germany



Jessica Evans  
Senior Specialist  
Statutory Fire & Safety  
Marine Technology and Engineering Services  
Global Technology Centre  
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).*