

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	Coopers Fire Ltd.
Address	Ignis House, Houghton Avenue, Waterlooville, Hampshire, PO7 3DU, United Kingdom (UK)
Type	Roller Shutter
Description	A-0 Equivalent Fire Resisting Fabric Roller Shutter – Type: “FireMaster Marine A-0”
Trade Name	“FireMaster Marine A-0” Roller Shutter
Specified Standard	IMO Res. MSC.307(88) – (2010 FTP Code) Annex 1, Part 3 IMO MSC/Circ. 1120

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.

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Keith Taylor

Team Lead Fire & Safety to Lloyd's Register
EMEA
A member of the Lloyd's Register group

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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F180278-M1-03

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.

This Certificate is an amendment of previous Lloyd's Register EMEA Certificate of Fire Approval No: SAS F180278.

APPROVAL DOCUMENTATION

1. Exova Warringtonfire, Holmesfield Road, Warrington, WA1 2DS, United Kingdom, Fire Test Report No. 400156, dated 14 September 2018.

CONDITIONS OF CERTIFICATION

1. When installed in an approved steel or insulated aluminium bulkhead for A-0 applications.
2. For applications where the head box assembly and rails are installed on the exposed fire risk side.
3. Maximum roller shutter clear opening size: 2692mm high x 2400mm wide.
4. Roller fitted within head box of 1.2mm stainless steel bolted to the bulkhead with M10 bolts.
5. Roller blind fabric material consists of: 'EFP A0' stainless steel wire reinforced glass fabric with aluminium coating (0.55mm thick, weight 66.5g/m²).
6. Roller shutter fitted with a stainless steel bottom bar fitted with M5 bolts.
7. Composition and application of curtain material and all sub components to be maintained in production and use in accordance with originally tested composition and method of application, and manufacturer's instructions.
8. 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.
9. 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 and manufactured to the same quality and specifications as the prototype tested, including components that are designed and manufactured by third parties.

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PLACE OF PRODUCTION

Coopers Fire Ltd.
Ignis House
Houghton Avenue
Waterlooville
Hampshire
PO7 3DU
United Kingdom (UK)



Keith Taylor
Team Lead, Fire & Safety
Statutory Discipline Team
UK&I Technical Support Office, Marine & Offshore
Lloyd's Register

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).