



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.

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|---------------------------|--|
| Manufacturer | OSW Eschbach GmbH |
| Address | Herrenhöfer Landstraße 2 Ohrdruf, 99885 Germany |
| Type | FIRE HOSE |
| Description | Fire Hose - Type: "Quality Syntex Unidur" |
| Specified Standard | prEN 1924-1: 1996 DIN 14811 : 2008 British Standard: BS6391 (2009) |

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 26 August 2016 Expiry date 25 August 2021

Certificate No. SAS F160250 Signed



Sheet No 1 of 3 Name Torsten Radtke
Specialist 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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| Document number | SAS F160250 |
| Issue number | 0 |

DESIGN APPRAISAL DOCUMENT

| | |
|----------------|---|
| Date | Quote this reference on all future communications |
| 26 August 2016 | HTSO/STAT/TA/1665006/TRA |

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F160250

This Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

TNO Centre for Fire Research, Delft, The Netherlands, Fire Test Report No. 007.50144/011401, dated 28 September 1999 and RAPRA Technology Ltd, Shrewsbury, Shropshire, United Kingdom, Technical Report No. 35906, dated 14 June 2000.

SMITHERS RAPRA Technology Ltd, Shrewsbury, Shropshire, United Kingdom, Technical Report No. GU0621, dated 30 September 2013.

SMITHERS RAPA Technology Ltd, Test Certificate GC 0867 ; Syntex Unidur 38mm and 65mm

Zentralprüfstelle für Feuerlöschschläuche, D-29223 Celle, Germany, Test Reports and Certificates acc. to DIN 14811.

Syntex Unidur 38mm; Test Report 10118-1 and Test Certificate ZPC 10118-1, dated 17 October 2013.

Syntex Unidur 42mm; Test Report 10119-1 and Test Certificate ZPC 10119-1, dated 13 September 2010.

Syntex Unidur 52mm; Test Report 10120-1 and Test Certificate ZPC 10120-1, dated 01 December 2009.

Syntex Unidur 65mm; Test Report 10121-1 and Test Certificate ZPC 10121-1, dated 19 August 2013.

Syntex Unidur 75mm; Test Report 10122-1 and Test Certificate ZPC 10122-1, dated 01 December 2009.

CONDITIONS OF CERTIFICATION

1. Applicable for hose diameters between 38 to 75mm (Nominal Bore).
2. Consisting of: synthetic fibre jacket covered on both sides with a red rubber lining.
3. 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.

NOTE

None



Lloyd's
Register

Lloyd's Register EMEA

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PLACE OF PRODUCTION

OSW Eschbach GmbH
Herrenhöfer Landstraße 2
Ohrdruf 99885
Germany



Torsten Radtke
Specialist Statutory Services
Hamburg Technical Support Office
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).