



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	ScanMec s.r.o
Address	Nedachlebice 225 687 12 Bilovice Czech Republic
Type	A-60 DOOR SINGLE LEAF HINGED
Description	Fire Resisting Single Leaf Hinged Door - Type: "SM-A60-01" A-60 fire proof single leaf hinged door with window
Specified Standard	IMO Res. MSC.307(88) - (2010 FTP Code) Annex 1 Part 3 IMO MSC.1 / Circ.1319

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 19 June 2018 Expiry date 18 June 2023

Certificate No. SAS F180163 Signed



Sheet No. 1 of 3 Name T. Radtke
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.

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Issue number	1

DESIGN APPRAISAL DOCUMENT

Date	Quote this reference on all future communications
19 June 2018	HTSO/STAT/TA/1665042/WP32980081/TRA

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F180163

This Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

MPA Dresden GmbH, Fuchsmuehlenweg 6 F, 09599 Freiberg, Germany

Test Report No.20170916, dated 16.02.2018

RINA Test report No. 2011CS012544

PQA Report PRA1700401, dated 20.12.2017

Drawing A-60 Door "sestava - dvere+ZAR - 1100x2200" sheet 1 to 4

Drawing Welding in door "sestava - ZAR+panty - SO_680x1950

CONDITIONS OF CERTIFICATION

1. When fitted in a steel bulkhead with an A-60 approved insulation system; suitable for a fire risk on the internal side of the door.
2. Door frame consists of Steel-Z profiles of 3mm and is bolted to the bulkhead.
3. Door leaf consisting of two steel sheets of 1.5 mm thickness with a insulation core of 'Promasil 1100 Super' (Thickness 60mm) manufactured by Promat GmbH. Internal Insulation is glued between the steel sheets by adhesive 'Sika Force 7110 L55' manufactured by Sika.
4. Maximum door leaf size: 1100 mm wide x 2200 mm high x 63 mm thick
5. Maximum clear opening size: 1066 mm wide x 2162 mm high
6. Door leaf fitted with 3 stainless steel hinges and stainless steel lock and handle set. Door fitted with 26mm thick window glass unit "Promatglas EL60" manufactured by Promat GmbH.
7. Maximum clear view size of window: 400 mm wide x 600 mm high. Total thickness of glass: 26mm
8. Composition, application and installation of sub components, including adhesives, seals and any fire retardants, to be maintained in production and use in accordance with originally tested composition formula and method of application and installation, and manufacturer's instructions
9. 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

1. The door additionally satisfied both the integrity and insulation criteria for 68 minutes in the above fire test reports and in accordance with MSC.1/Circ.1319 an increase in door leaf size of up to 10% in area and 15% in the dimensions (width and height) of the door leaf size tested may be approved with the same construction.
2. For glazing in door "Pyrobel 25 EI60 AGC" Manufacturer AGC Glass Unlimited may be accepted also.



Lloyd's
Register

Lloyd's Register EMEA

71 Fenchurch Street, London, EC3M 4BS

Telephone 020 7423 2416 Fax 020 7423 2053

Email med@lr.org

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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F180163

PLACE OF PRODUCTION

VI PAX, a. s.
Prumyslova 539
763 17 Lukov,
Czech Republic



Torsten Radtke
Senior 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).



EC TYPE EXAMINATION (MODULE B) CERTIFICATE

This is to certify that:

LLOYD'S REGISTER VERIFICATION LIMITED (LRV), designated as a "notified body" under the terms of the Merchant Shipping (Marine Equipment) Regulations 2016 (S.I. 2016 No.1025), did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the essential Fire protection equipment requirements of Marine Equipment Directive (MED) 2014/90/EU and Commission Implementing Regulation (EU) 2018/773 indicating design, construction and performance requirements and testing standards for marine equipment, subject to any conditions in the Design Appraisal Document attached hereto.

Manufacturer (Applicant)	ScanMec s.r.o
Address	Nedachlebice 225 687 12 Bilovice Czech Republic
Reference	Regulation 2018 / 773
Regulation Item (No & Item designation)	MED/3.16 Fire Doors
Product Type	A-60 DOOR SINGLE LEAF HINGED
Product Description	Fire Resisting Single Leaf Hinged Door - Type: "SM-A60-01"- A-60 fire proof single leaf hinged door with window
Specified Standard	IMO Res. MSC.307(88) - (2010 FTP Code) Annex 1 Part 3 IMO MSC.1 / Circ.1319

The attached Design Appraisal Document (schedule) forms part of this certificate.

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

Date of issue 19 June 2018 Expiry date 18 June 2023

Certificate No. MED 1850126

Signed

Hamburg Technical Support Office
Lloyd's Register EMEA



Sheet No. 1 of 3

Name

T. Radtke
For and on behalf of Lloyd's Register Verification
LRV EC Distinguishing No. 0038

Note:

This certificate is issued under the authority of the MCA.

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 the notified body named on this certificate of any modification or changes to the equipment in order to obtain a valid Certificate.

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Lloyd's
Register

Lloyd's Register Verification Limited

71 Fenchurch Street, London, EC3M 4BS

Telephone 020 7423 2416 Fax 020 7423 2053

Email med@lr.org

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DESIGN APPRAISAL DOCUMENT

Date 19 June 2018	Quote this reference on all future communications HTSO/STAT/MED/1665042/WP32980081/TRA
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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1850126

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and European Union legislation for the EC Type Examination of Marine Equipment for use on Merchant Ships Registered in the European Economic Area.

This Design Appraisal Document (schedule) forms part of the Certificate.

APPROVAL DOCUMENTATION

MPA Dresden GmbH, Fuchsmuehlenweg 6 F, 09599 Freiberg, Germany

Test Report No.20170916, dated 16.02.2018

RINA Test report No. 2011CS012544

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8. Composition, application and installation of sub components, including adhesives, seals and any fire retardants, to be maintained in production and use in accordance with originally tested composition formula and method of application and installation, and manufacturer's instructions
9. 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.
10. Production items of the subject equipment are to be manufactured in accordance with either an approved Production Quality Assurance system (Module D), a Product-Quality assurance system (Module E) or a Product Verification Process (Module F). The wheelmark cannot be affixed to the product until a conformity assessment module is in place
11. Each item, batch or lot of the equipment is to be issued with a "Declaration of Conformity" and have the "Mark of Conformity" affixed after a conformity assessment module is in place



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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1850126

GENERAL NOTES

1. The door additionally satisfied both the integrity and insulation criteria for 68 minutes in the above fire test reports and in accordance with MSC.1/Circ.1319 an increase in door leaf size of up to 10% in area and 15% in the dimensions (width and height) of the door leaf size tested may be approved with the same construction.
2. For glazing in door "Pyrobel 25 E160 AGC" Manufacturer AGC Glass Unlimited may be accepted also.

PLACE OF PRODUCTION

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For and on behalf of Lloyd's Register Verification
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