



EC TYPE EXAMINATION (MODULE B)

CERTIFICATE No. **MED132617CS/002**

This is to certify that RINA Services S.p.A. did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the Fire Protection requirements of Marine Equipment Directive (MED) 2014/90/EU, including the requirements and testing standards of (EU) 2017/306.

MED Item N°

MED/3.18a

Description

Surface materials and floor coverings with low flame-spread characteristics: (a) decorative veneers

Type

Saglan SO-R Vs

Applicant

SAGER AG

DORNHUGELSTRASSE
CH-5724 DURRENASCH
SWITZERLAND

Testing standards

IMO Res. MSC.307(88)-(2010 FTP Code)

Reference standards

Chap. II-2 and X of SOLAS 74 Convention, as amended, RINA Rules for the certification of Marine Equipment

Issued in Genoa on
May 25, 2017

This Certificate is valid until
May 24, 2022

This Certificate consists of this sheet plus an attachment

Massimo Dinale

RINA Services S.p.A.

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Manufacturer
SAGER AG

Place of Manufacturer
DORNHUGELSTRASSE
CH-5724 DURRENASCH
SWITZERLAND

Product description

Veil of glass fiber named SHS 75/4 having mass per area of 75 g/m² and thickness 0,70 mm bonded by effect of 5,6 g/m² of resin to glass wool support having density greater than 15 kg/m³ .
The possible variants are as described in the table below.

- Thickness range (mm) from 10 to 120
- Nominal density range (kg/m³) from 15 to 100 ± 10 %

Product	Sea Offshore	Delivery form - plate	Coating Aluminium	Density glass wool*	Field of application
Saglan SO-R Vs SL 7	SO	-R	Vs	SL	7
Saglan SO-R Vs L 7	SO	-R	Vs	L	7
Saglan SO-R Vs ML 7	SO	-R	Vs	ML	7
Saglan SO-R Vs M 7	SO	-R	Vs	M	7
Saglan SO-R Vs MP 3	SO	-R	Vs	MP	3
Saglan SO-R Vs MH 3	SO	-R	Vs	MH	3

* SL= super light (15 kg/m³) HR= heavier (60 kg/m³) comfort = 7 L= light (20 kg/m³) VH= very heavy (80 kg/m³) acoustic = 3
ML= medium light (25 kg/m³) EH= extra heavy (100 kg/m³)
M= medium (30 kg/m³) H= heavy (50 kg/m³)
MP=medium plus (35 kg/m³)
MH= medium heavy (40 kg/m³)



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Field of application

As finishing material for all exposed interior and concealed or inaccessible surfaces.
On the basis of the value of the total heat release (Q) and on the basis of the value of the peak heat release (q_p) the

material is deemed not generating excessive quantities of smoke nor toxic products in fire according to Annex 2 IMO 2010 FTP Code.

Tests carried out

Tests as per RINA Test Laboratory reports Nos. 2017CS011326/1 and 2017CS011326/3 dated 24 May 2017 issued according to:

- IMO 2010 FTP Code Part 5;
- ISO 1716: 2010.

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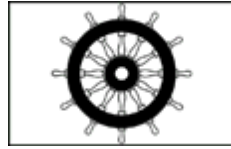
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The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production control phase module (D, E or F) of Annex II of the Directive is fully complied with a written inspection agreement with a Notified Body



XXXX/YY

"WHEELMARK FORMAT"

XXXX *Notified Body number undertaking surveillance module*

YY *Last two digits of year mark affixed*

General conditions for the approval

- a) The initial conditions verified by RINA at the time of the approval are to be maintained
- b) Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessment
- c) This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with RINA
- d) RINA personnel are to be allowed to witness during the performances of activities, upon their request
- e) The activities are to be carried out in compliance with the RINA Rules and/or other applicable Rules
- f) Should the specified regulations or standards be amended during the validity of this certificate, the product is to be reappraised prior to it being placed on board vessels to which the amended regulations or standards apply.

M. Dinale

Massimo Dinale

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