



European notified body
Identification number 0736

EC-Type Examination (Module B) Certificate

Certificate No.

114.494

U.S. Coast Guard Approval No.

164.109/EC0736/114.494

Name and address of the manufacturer: Frenzelit Werke GmbH
Frankenhammer
95460 Bad Berneck (Germany)

Date of issue: **23.01.2014**

Annex A.1 Item No & Item designation: **A.1/3.13 – Non-combustible materials**

Product designation: Non-combustible insulation material

Product Type: **isoTHERM S woven fabric 200 - 2000 g/m²
with and without stainless steel wire reinforcement**

Intended purpose: Non-combustible material for sea going vessels complying with SOLAS 74/88 Reg. II-2/3, II-2/5 and II-2/9, as amended, IMO Resolution MSC.36(63)-(1994 HSC-Code) 7, IMO Resolution MSC.97(73)-(2000 HSC-Code) 7.

Testing based on (Specific standard): IMO Resolution MSC.307 (88)-(FTP-Code 2010)*
*) = not applicable accordance chapter 8.3 IMO Resolution MSC.307 (88)
IMO Resolution MSC.61(67)-(FTP-Code), Annex 1, Part 1

Remarks: see overleaf

The type tested was found to be in compliance with the Fire Protection requirements of Marine Equipment Directive (MED) 96/98/EC as amended by Directive 2012/32/EU subject to any conditions in the schedule (part of this certificate).

This certificate may only be used in connection with module(s) **D, E or F** of this directive.

Expiry date:

22.01.2019



Signature (Bork)

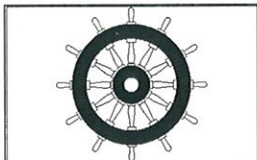


Installed equipment stays approved beyond the validity date until it is revoked!

Note 1: 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 the notified body named on this certificate.

Note 2: Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply.

Note 3: 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 B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.



xxxx/yy

Note 4: "Wheelmark" Format

YY Last two digits of year mark affixed.

XXXX Notified Body number undertaking surveillance module

Technical data / approved drawings and additional conditions and remarks:

1.

This EC-Type Examination Certificate is based on the following documents:

- Test Report No. NN04/4043.3 issued by "Brandversuchshaus Hamburg", 22767 Hamburg (DE), on 05.11.2004.
- Letter of the company Frenzelit-Werke GmbH & Co. KG (Mr. Werner), dated 11.01.2005 and 08.01.2009.
- Letter of confirmation of the "Brandversuchshaus Hamburg" (Dipl.- Ing A. Pavlik) dated 27.10.2008.

2.

Weight: 200 - 2000 g/m²

3.

Colour: White

4.

The glass fabric can also be reinforced with stainless steel wire (interwoven).

5.

The glass fabric can also (heat-treated) distributed under following type designation:

isoTHERM ST woven fabric 200 - 2000 g/m² with and without stainless steel wire reinforcement

6.

The non-combustible material used on board of sea-going vessels shall comply in every respect with the non-combustible material which has been tested.

7.

The non-combustible material shall be marked in accordance with Article 11 of the Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended.

8.

This EC-Type Examination Certificate replaces the old EC-Type Examination Certificate, issued on 14.01.2009 with a running time up to 31.01.2014.

9.

This EC-Type Examination Certificate may only be published or transmitted unabridged.

Note:

This product has been assigned a U.S. Coast Guard approval no. (USCG number) to note type approval to Module B only as it pertains to obtaining U.S. Coast Guard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 27th, 2004.

The U.S. Coast Guard approval number is:

164.109/EC0736/114.494

The equipment manufacturer has to be mark the equipment with this U.S. Coast Guard approval number.