



BG Verkehr  
 Ship Safety Division  
 Prüf- und Zertifizierungsstelle  
 im BG-PRÜFZERT  
 European notified body  
 Identification number 0736

Deutsche Gesetzliche  
 Unfallversicherung



## EC-Type Examination (Module B) Certificate

Certificate No. **118.214**

Name and address of the manufacturer: **FIRO GmbH  
 Friedrich-Harkort-Straße 17  
 59581 Warstein (Germany)**

Date of issue: **01.02.2010**

Annex A.1 Item No & Item designation: **A.1/3.18 d - Surface materials and floor coverings with low flame-spread characteristics (pipe insulation covers)**

Product designation: **Surface material with low flame-spread characteristics**

Product Type: **FIROFLEX IP**

Intended purpose: **Surface material with low flame-spread characteristics complying with SOLAS 74/88 Reg. II-2/3, II-2/5, II-2/6 and II-2/9, as amended, IMO Resolution MSC.36(63)-(1994 HSC-Code) 7, IMO Resolution MSC.97(73)-(2000 HSC-Code) 7, IMO MSC/Circ. 1120.**

Testing based on (Specific standard): **IMO Resolution MSC.61(67)-(FTP-Code), Annex 1, Part 5  
 IMO MSC/Circ. 916, 1004, 1036, 1120 and ISO 1716 (2002)\*  
 \*) = not applicable**

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 2008/67/EC + 2009/26/EC 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: **28.02.2015**



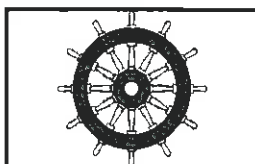
*[Handwritten Signature]*  
 Signature (Bork)

The approval of the installed equipment will be in force 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

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 20404 Hamburg

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In any case, the German original shall prevail!

**Technical data/approved drawings and additional conditions and remarks:**

1.  
This EC-Type Examination Certificate is based on the following documents:  
- Test Report 2009-1832-2 and 2009-1986-2 of the "Exova Brandhaus", 65926 Frankfurt (D), dated 08.01.2010.
2.  
The material is considered to comply with the requirements of the FTP-Code, Annex 1, Part 2 (smoke and toxicity test) without further testing.
2.  
The thickness of the insulating hoses and insulating plates is 6 mm - 25 mm.  
The density of the material is 68 kg/m<sup>3</sup> (6 mm) - 54 kg/m<sup>3</sup> (25 mm).
3.  
For the gluing of the insulation hoses and insulation plates only "FIROFLEX Kleber 312" (quantity of wet application: 300 g/m<sup>2</sup>) has to be used.
4.  
The material installed on board ships shall comply in every respect with the material which has been tested.
5.  
The equipment shall be marked in accordance with Article 11 of the Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended.
6.  
This EC-Type Examination Certificate may only be published or transmitted unabridged.