

# EC-TYPE EXAMINATION CERTIFICATE

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2014/93/EU, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This Certificate is issued by DNV GL AS under the authority of the Government of the Kingdom of Norway.

**This is to certify:****That the Non-combustible materials**

with type designation(s)

**LYHX816T Type Environmental Protective Fibre Blanket**

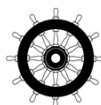
Issued to

**Luyang Energy-saving Materials Co., Ltd.  
Zibo SD, China**

is found to comply with the requirements in the following Regulations/Standards:

**Annex A.1, item No. A.1/3.13 and Annex B, Module B in the Directive. SOLAS 74 as amended,  
Regulation II-2/3 II-2/5, II-2/9 & X/3, 2000 HSC Code 7 and IMO 2010 FTP Code**

Further details of the equipment and conditions for certification are given overleaf.

**Høvik, 2015-12-08**  
for **DNV GL AS**This Certificate is valid until  
**2019-08-13**Notified Body No.: **0575**

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**Vidar Dolonen**  
**Head of Department**DNV GL local office:  
**Qingdao**

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**Silje Helene Waagaard**  
**Surveyor**

Job Id: **344.1-001948-5**  
Certificate No: **MEDB00000EZ**

### **Product description**

"LYHX816T Type Environmental Protective Fibre Blanket"  
inorganic fireproof ceramic fibre product mainly composed of  $AL_2O_3$  and  $SiO_2$ , with nominal density of approx. 80-160 kg/m<sup>3</sup>.

### **Application/Limitation**

Approved for use as non-combustible materials.

The product can be used as an integrated part of tested and approved fire resisting divisions.

Each product is to be supplied with its manual for installation and use.

### **Type Examination documentation**

Test Report No. FT09075 dated 4 May 2009 and FT09284 dated 18 November 2009 from Far East Fire Testing Centre (FEFTC), Shanghai, China.

### **Tests carried out**

Tested according to IMO FTPC Part 1 and in compliance with IMO 2010 FTP Code Ch. 8.

### **Marking of product**

The product or packing is to be marked with name of manufacturer, type designation, MED Mark of Conformity and USCG approval number if applicable (see below).

### **Mark of Conformity**

The manufacturer is allowed to affix the Mark of Conformity according to Article 11 in the Council Directive 96/98/EC on Marine Equipment and shall issue a Declaration of Conformity, only when the module D or E or F of Annex B in the same directive is fully complied with.

Module D: The quality system for production and testing shall be approved by the Notified Body.

Module E: The quality system for inspection and testing shall be approved by the Notified Body.

Module F: Compliance of the products to type as described in this EC Type-Examination Certificate must be verified by the Notified Body who also shall issue a Certificate of Conformity.

### **USCG Approval**

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005.