

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB000016S

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive (EU) 2015/559, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. 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)

Biowool Marine 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.

This Certificate is valid until **2021-09-04**.

Issued at **Høvik** on **2016-09-05**

DNV GL local station:

Qingdao

Approval Engineer:

Tessa Biever

Notified Body

No.: **0575**

for **DNV GL AS**

Vidar Dolonen

Head of Notified Body

Product description

“Biowool Marine Blanket”

Is a non-combustible material consisting of inorganic alkaline earth silicate fiber available in two nominal densities as follows:

1. Nominal density: 64 kg/m³, Organic content: 0 %.
2. Nominal density: 128 kg/m³, Organic content: 0 %.

Application/Limitation

Approved for use as non-combustible materials.

These products may be used as an integrated part of approved fire resisting divisions only when tested as such.

Insulation material with surface layer have to be approved for low flame spread characteristics (test for surface flammability) according to the Marine Equipment Directive and bear the Mark of Conformity.

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

Type Examination documentation

Test Report No. FT16129 (64 kg/m³) & FT16130 (128 kg/m³), both dated 2016-03-21 from Far East fire Testing Centre, Shanghai, China.

Tests carried out

Tested according to IMO 2010 FTP Code part 1.

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 page 1).