DNV·GL

Certificate No:
MEDB000044M

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), 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 Norway.

This is to certify:

That the Primary deck coverings

with type designation(s)
BILLYTEX BX-B1

Issued to
Daehyup Tech Co., Ltd.
Ulsan, Korea, Republic of Korea

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2017/306,**
item No. MED/3.1. SOLAS 74 as amended, Regulation II-2/4, II-2/6 & 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 **2023-06-17**.

Issued at **Høvik** on **2018-06-18**

DNV GL local station:
Ulsan

Approval Engineer:
Grzegorz Wolski

Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
Head of Notified Body

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.

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-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.
This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL AS of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.
Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

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Job Id: **344.1-003847-10**
Certificate No: **MEDB000044M**

Product description

"BILLYTEX BX-B1"
A primary deck covering composed of a 0.5 mm thick layer of BX-Primer coat applied onto the steel deck, followed by a second layer of BX-B1 coat.

Main ingredients: Silica sand, cement and latex.
Thickness: 6 - 46 mm.
Standard thickness: 8 mm.
Nominal density: 1.9 g/cm^3.

Application/Limitation

Primary deck covering, not generating excessive quantities of smoke nor toxic products in a fire.

Approved for use throughout the accommodation.

The product may also be used as floor covering in accordance with IMO 2010 FTP code Part 5 Appendix 4 paragraph 4.9.2.

The product may be applied over any steel or non-combustible material.

Not to be used as an integrated part of horizontal class A division, unless tested as such.

Each product is to be supplied with its manual for application and maintenance.

Maximum organic content: 5 %

Approved colour: Grey

Type Examination documentation

Test report No. A2012-1223 dated 27 February 2013 from Fire Insurers Laboratories of Korea (FILK), Korea.

Drawing DHT-BXB1-130201 Rev.01 dated 01.02.2013 provided by Daehyup Tech Co., Ltd.

Tests carried out

Tested according to IMO 2010 FTP Code part 5 and Annex 2 item 2.2.

Marking of product

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