



Certificate no.:
TAF000022C

TYPE APPROVAL CERTIFICATE

This is to certify:

that the **Primary Deck Covering**

with type designation(s)
BILLYTEX BX-B UNDERLAY

issued to

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

is found to comply with

DNV statutory interpretations DNV-SI-0364 – SOLAS interpretations, Edition July 2021
DNV rules for classification – Ships
DNV offshore standards

Application:

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

This certificate is recognized by Transport Canada.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Høvik** on **2026-04-16**

This Certificate is valid until **2031-04-15**.

for **DNV**

DNV local unit: **Ulsan, CMC Korea**

Approval Engineer: **Izabela Misztal**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.

Product description

"BILLYTEX BX-B UNDERLAY"

is a primary deck covering composed of:

layer 1: 0.5 mm thick layer of BX-Primer coat applied onto the steel deck,

layer 2: 46 mm thick layer of BX-Base,

layer 3: 0.5 mm thick layer of BX-Top coat.

Main ingredients: cement, silica sand and SBR latex.

Thickness: 47 mm

Standard thickness: 8 mm

Nominal density: 1800 kg/m³

For further details, see drawing mentioned under Type Approval documentation below.

Application/Limitation

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

Approved colour: grey

Max. organic content: 5%

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

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

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

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

Type Approval documentation

Certification in accordance with Class Programme DNV-CP-0338, September 2021.

Test report no. A2013-0630 dated 30 August 2013 from Fire Insurers Laboratories of Korea (FILK), Korea.

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 of manufacturer and type designation.

Transport Canada Approval

Based on the procedures laid down in the Transport Canada Publication entitled "Procedures for Approval of Life-Saving Appliances, Fire Safety Systems, Equipment and Products (TP14612)", DNV confirms that the product/s listed in this certificate is/are in accordance with Transport Canada's requirements.

Periodical assessment

DNV's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in Class Programme DNV-CP-0338, Section 4.

Manufactured by:

Daehyup Tech Co., Ltd., 45, Eneojisaneop 6-ro, Seosaeng-myeon, Ulju-gun, Ulsan, Republic of Korea.