DNV·GL

Certificate No:
**TAF0000031**

# TYPE APPROVAL CERTIFICATE

## This is to certify:

**That the Surface Material of Low Flame Spread**

with type designation(s)
**Fiber Glass Laminating Butyl Tape**

Issued to
**SM Tech Co., Ltd.**
**Nam-gu Busan, Republic of Korea**

is found to comply with
**Det Norske Veritas' Interpretation of SOLAS 1974 Convention as Amended**
**Det Norske Veritas' Offshore Standards**
**Det Norske Veritas' Rules for Classification of Ships**

## Application :

**Approved for use as low flame spread surface material, not generating excessive quantities of smoke nor toxic products in fire.**

**This certificate is recognized by Transport Canada.**

This Certificate is valid until **2019-06-30**.

Issued at **Høvik** on **2015-08-03**

for **DNV GL**

DNV GL local station: **Pusan**

Approval Engineer: **Tessa Biever**

**Petter Langnes**
**Head of Section**

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.


© DNV GL 2014. DNV GL and the Horizon Graphic are trademarks of DNV GL AS.

Job Id: **262.1-011926-3**
Certificate No: **TAF0000031**

## Product description
"Fiber Glass Laminating Butyl Tape"
Consist of 0,01 mm Aluminium foil, 0,2 mm Fiber glass and 1, 4 mm Butyl tape.

## Application/Limitation
Approved for use on non-combustible substrate with density of at least 600 kg/m³.

Any adhesive used, other than the one used during testing, has to be tested for low flame spread characteristics according to IMO 2010 FTP Code part 5.

Maximum gross calorific value shall be documented separately where applicable, ref. SOLAS Chapter II-2 Reg. 5.3.2.

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

## Type Approval documentation
Certification in accordance with Standard for Certification No. 1.2, Type Approval, January 2013.

Test reports No. 20010594 dated 9 August 2001 from Fire Insurers Laboratories of Korea.

## Tests carried out
Tested according to IMO FTC Part 5 and 2 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 and type designation.

## Transport Canada Approval
Based on the procedures laid down in the Transport Canada Publication entitled "*Approval Procedures for, Life Saving Equipment and Structural Fire Protection Products (TP 14612)",* Det Norske Veritas confirms that the product/s listed in this certificate is/are in accordance with Transport Canada's requirements.

## Periodical assessment
DNV GL'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 Standard for certification No. 1.2 Type Approval Item 4.