DNV·GL

Certificate No:
TAF00000C8

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Surface Material of Low Flame Spread

with type designation(s)
SMT FIRE DELAY SHEET - Flexible Fabric

Issued to
SM Tech Co., Ltd.
Busan, Republic of Korea

is found to comply with
DNV GL statutory interpretations DNVGL-SI-0364 – SOLAS interpretations
DNV GL offshore standards
DNV GL rules for classification – 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.

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

This Certificate is valid until **2021-06-30**.

Issued at **Høvik** on **2016-07-01**

for **DNV GL**

DNV GL local station: **Pusan**

Approval Engineer: **Fryderyk Hoga**

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.

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Product description

"SMT FIRE DELAY SHEET – Flexible Fabric"
consisting of a core made of 0.32 mm thick glass fibre cloth (306 g/m^2) that is coated on both sides with a 0.06 mm thick silicone surface layer (148 g/m^2).

Total thickness is 0.44 mm.

Application/Limitation

Approved for use on non-combustible substrate with density of at least 400 kg/m^3.

Maximum calorific value (ref. Solas Chapter II-2, Reg. 5.3.2.2): 2.978 MJ/m^2.

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

Type Approval documentation

Certification in accordance with Class Programme DNVGL-CP-0338, October 2015.

Test Report No. 2007-1414 dated October 2007 from Fire Insurers Laboratories of Korea (FILK), Gyeonggi-Do, Korea.

Test Report No. VTT-s-680-11 dated 24 Fabruary 2011 from VTT Expert Services Ltd., Espoo, Finland(EN ISO 1716).

Tests carried out

Tested according to IMO FTPC Part 5 and Annex 2 item 2.2 and in compliance with IMO 2010 FTP Code Ch. 8.

Tested according to EN ISO 1716:2002.

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)",* DNV GL confirms that the product/s listed in this certificate is/are in accordance with Transport Canada's requirements.

Certificate Retention Survey

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 DNVGL-CP-0338 Section 4.