

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Non-Combustible Material

with type designation(s)
HITLIN Pipe Cover and HITLIN Felt

Issued to

Se Woon T&S Co., Ltd.
Yeongcheon-si Gyeongsangbuk-do, Republic of Korea

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

Application :

Not to be used as an integrated part of fire retarding divisions, unless tested as such.

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 **2021-12-31**.

Issued at **Høvik** on **2017-01-06**

DNV GL local station: **Ulsan**

Approval Engineer: **Fryderyk Hoga**

for **DNV GL**

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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.

Job Id:
Certificate No: **TAF00000J6**

Product description

"HITLIN Pipe Cover and HITLIN Felt"

Product	Density [kg/m ³]	Thickness [mm]	Application
HITLIN Pipe Cover	200±10%	10~300	Insulation for pipe & E/R equipment including acoustic insulation
HITLIN Felt	165±10%	10~300	

Application/Limitation

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

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

Type Approval documentation

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

Test No. 2003245320 dated 18 September 2003 and No. 2003194320-1 dated 29 July 2003 from KIMM, Taejeon, Korea.

Hitlin Specification dated 14.06.2012 from Se Woon T & S Co., Ltd.

Tests carried out

Tested according to IMO FTPC Part 1 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)", DNV GL 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 Class Programme DNVGL-CP-0338, Section 4.