DNV·GL

TYPE APPROVAL CERTIFICATE

Certificate No:
TAF00000WE
Revision No:
1

This is to certify:

That the Non-Combustible Material

with type designation(s)
Glass Wool from 24K to 64K

Issued to
Saint-Gobain ISOVER Korea Co., Ltd.
Dangjin-si, Chungcheongnam-do, Republic of Korea

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

Application :

Approved for use as non-combustible materials.

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.

Issued at **Høvik** on **2018-09-17**
This Certificate is valid until **2023-03-12**.
DNV GL local station: **Seoul**

Approval Engineer: **Thorvald Furuseth**

for **DNV GL**

Mårten Schei-Nilsson
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: **262.1-022158-3**
Certificate No: **TAF00000WE**
Revision No: **1**

Product description

"Glass Wool from 24K to 64K"
a homogeneous product consisting of silica, dolomite, limestone and phenolic resin, of density 24 kg/m^3 (Packing type Glass Wool Mat & Batt) and from 32 kg/m^3 to 64 kg/m^3 (Packing type Glass Wool Board).

Max. organic content: 5.96 %

"Glass Wool Pipe Cover 55K and 65K"
A homogeneous product consisting of silica, dolomite, limestone and phenolic resin, of density 55 kg/m^3 and 65 kg/m^3 (Pipe cover).

Max. organic content: 6.2 %

Application/Limitation

Approved for use as non-combustible materials.

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 2017.

Test report no. A2015-1263 dated 29 October 2015 from Fire Insurers Laboratory of Korea (FILK), Korea.
Test report no. A2015-1262 dated 29 October 2015 from Fire Insurers Laboratory of Korea (FILK), Korea.
Test report no. A2015-1261 dated 29 October 2015 from Fire Insurers Laboratory of Korea (FILK), Korea.
Test report no. A2015-1260 dated 29 October 2015 from Fire Insurers Laboratory of Korea (FILK), Korea.
Test report no. A2015-1259 dated 29 October 2015 from Fire Insurers Laboratory of Korea (FILK), Korea.
Test report no. G2018-0317E dated 17 May 2018 from Fire Insurers Laboratory of Korea (FILK), Korea.
Test report no. G2018-0316E dated 17 May 2018 from Fire Insurers Laboratory of Korea (FILK), Korea.

Tests carried out

Tested according to IMO 2010 FTP Code part 1.

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.