



TYPE APPROVAL CERTIFICATE

Certificate No. : PTD39790-FP001 **Initial Approval** : 27th November, 2018
Product : Non-Combustible Materials
Manufacturer : Saint-Gobain ISOVER Korea Co., Ltd.
 70, Bugokgongdan 1-gil, Songak-eup, Dangjin-si, Chungcheongnam-do,
 31721, Korea
Product Description : Brand : Glass Wool 24K, Glass Wool Pipe Cover 55K / 65K
 - Density : 24 kg/m³, 55 kg/m³ and 65 kg/m³
 See "Appendix 1"

Approval Condition : See "Appendix 1"

THIS IS TO CERTIFY that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows and entered in the "List of Approved Manufacturers and Type Approved Equipment".

Pt.8, Ch.1 of the Rules for Classification of Steel Ships, IMO 2010 FTP Code Annex 1, Part 1.

This Certificate is valid until 26th November, 2023

Issued at Busan, Korea on 27th November, 2018



KOREAN REGISTER OF SHIPPING

Jung Eun, Kim

General Manager of
Marine & Ocean Equipment Team

- Note* : 1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.
 2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.
 3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.
 4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.

Appendix 1

Product Description and/or Approval Condition

Certificate No : PTD39790-FP001

Date of Issue :27 November, 2018

A. Product Description

1. Product Specification

- 1) Products are composed of silica, limestone, dolomite, feldspar, soda ash, float cullet and phenolic resin.
- 2) Nominal organic content
 - Glass Wool 24K : 5.3 %
 - Glass Wool Pipe Cover 55K : 6.1 %
 - Glass Wool Pipe Cover 65K : 6.2 %

2. Approved Drawings and documents

- N/A

3. Test Reports, etc.

- Test reports No. G2018-0313E, G2018-0316E and G2018-0317E dated May 17, 2018 issued by Fire Insurers Laboratories of Korea (FILK).

B. Approval Condition

1. Application & Limitation

- 1) The product is to be installed in accordance with manufacturer's installation manual.
- 2) This approval does not cover the airborne sound insulation properties.
- 3) The manufacturer should inform this Society of any changes to the product's formulation.
- 4) Approval Certificate for Manufacturer (Cert. No. : PTD39790-PA001) is to be retained validly apart from this Approval.

2. Individual Product Cert. and Drawing Approval Requirement

- Individual Product Certification is not required.

3. Marking

- The product or packing is to be marked with manufacturer name and type designation on a suitable position.

4. Others

- N/A

< End of certificate >