



Certificate Of Fire Approval

This is to certify that the product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations and with the International Convention for the Safety of Life at Sea, (SOLAS), 1974, as amended, for use on ships and offshore installations classed with Lloyd's Register, and for use on ships and offshore installations when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

Manufacturer	Saint-Gobain Isover Korea Co., Ltd
Address	70, Bugokgongdan 1-gil, Songak-eup, Dangjin-si, Chungcheongnam-do, 31721, Republic of Korea
Type	Non-Combustible Material
Description	Fire-Resisting Material – Type “Glass Wool 24K to Glass Wool 64K”
Trade Name	Glass Wool 24K to Glass Wool 64K
Specified Standard	IMO Res. MSC.307(88) – (2010 FTP Code) Annex 1 Part 1

This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document and its supplementary Type Approval Terms and Conditions form part of this Certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

James Gunner

Fire & Safety - Specialist to Lloyd's Register
EMEA
A member of the Lloyd's Register group

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DESIGN APPRAISAL DOCUMENT

Page	2 of 3
Certificate No:	LR23358215SF
Issue Date:	29/06/2023
Expiry Date:	28/06/2028
Reference:	UKITSO/FIRE/TA/JG/WP50610920/PRJ11100409182

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR23358215SF

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions, and this Design Appraisal Document forms part of the Certificate.

This Certificate is a Renewal of Certificate Number: **SAS F180182**

APPROVAL DOCUMENTATION

TEST REPORTS

Fire Insurers Laboratory of Korea (FILK), Gyeonggi-Do, Korea, Fire Test Report No: FILK G2018-0313E, FILK G2018-0314E and FILK G2018-0315E dated 17th May 2018.

CONDITIONS OF CERTIFICATION

1. Non-combustible material shall have a nominal density range of 24- 64kg/m³.
2. The non-combustible material shall have a nominal organic content of equal to or less than 6%.
3. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that items are of the same standard as the approved prototype.
4. The certificate holder is solely responsible for the products supplied under this Certificate and to ensure that their products, are fully compliant with the relevant statutory regulations as applicable and are designed, manufactured and installed to the same quality and specifications as the prototype tested, including components that are designed and manufactured by third parties.

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PLACE OF PRODUCTION

Saint Gobain ISOVER Korea Co Ltd

70 Ugokgongdan 1-gil
Songak-eup
Dangjin-si
Chungchengnom-do
Republic of Korea

James Gunner
Specialist, Global Fire & Safety Team
Global Technical Support Office
Lloyd's Register EMEA

Supplementary Type Approval Terms and Conditions

This certificate and Design Appraisal Document relates to type approval, it certifies that the prototype(s) of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein, it does not mean or imply approval for any other use, nor approval of any products designed or manufactured otherwise than in strict conformity with the said prototype(s)