

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	SOLARGLIDE LTD.
Address	Unit 8, The Stottie Shed, 5 Bakers Yard, Christon Road, Newcastle upon Tyne, NE3 1XD, United Kingdom (UK)
Type	MATERIAL HAVING LOW FLAME SPREAD CHARACTERISTICS & NOT CAPABLE OF PRODUCING EXCESSIVE SMOKE & TOXIC PRODUCTS OF COMBUSTION
Description	Surface Finish Material – Type: “Low Mirror Neutral Grey Adhesive Solar Film” solar film (maximum 35microns thick) for application on internal locations with adhesive
Trade Name	“Low Mirror Neutral Grey Adhesive Solar Film”
Specified Standard	IMO Res. MSC.307(88) – (2010 FTP Code) Annex 1 Part 2 and Part 5

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.

DESIGN APPRAISAL DOCUMENT

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR22351746SF

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.

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APPROVAL DOCUMENTATION

TEST REPORTS

Interscience Fire Laboratory, Haslar Road, Gosport, Hampshire, United Kingdom; Fire Test Reports No: ICL/H21/14549 Rev 1 and ICL/H21/14550 Rev 1 both dated 11th January 2022.

CONDITIONS OF CERTIFICATION

1. To be applied on a metallic substrate.
2. Surface finish material "Low Mirror Neutral Grey Adhesive Solar Film" consisted of: polyester based solar film, 35microns thick and 109.6g/m² weight per unit area, attached to an aluminium substrate using adhesive type 'Ball Styccobond F66 solvent free contact adhesive' manufactured by F.Ball and Co. Ltd., applied on the corners of the film.
3. Maximum thickness is 35microns.
4. Product may be supplied in as-tested grey or lighter colour shades. Any darker colour shade of the product than the tested should be separately approved in accordance with 2010 FTP Code Annex 1 Part 5 Appendix 4 Paragraph 2.6.
5. Composition of all product components shall be maintained in production as per the originally tested formula. Their method of application/installation onboard must be in full compliance with manufacturer's instructions, to ensure the final product assembly is of the same specification and capable of providing at least the same fire performance as the tested and approved prototype.
6. 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.
7. 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 and designed, manufactured and installed to the same quality and specifications as the prototype tested, including components that are designed and manufactured by third parties.
8. The Place(s) of Production have not been identified on the certificate, but details have been provided and agreed by Lloyd's Register (LR) and they are held in LR's confidential technical files. The client must notify LR of any changes to these facilities (i.e. the facilities for the product design, manufacture, inspection, testing, storage) for LR's agreement well in advance of the change, in order for the certificate to remain valid.

DESIGN APPRAISAL DOCUMENT

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PLACE OF PRODUCTION

Supplier A (Details held in Lloyd's Register confidential technical file)



Ratheesh Rajagopal
Specialist
Fire & Safety, Statutory Discipline Team
UK&I Technical Support Office, Marine & Offshore
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).