

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	LG Hausys
Address	388 Mangyang-ri Onyang-eup Ulju-gun Ulsan City, 689-901 Republic of Korea,
Type	MATERIAL HAVING LOW FLAME SPREAD CHARACTERISTICS & NOT CAPABLE OF PRODUCING EXCESSIVE QUANTITIES OF SMOKE & TOXIC PRODUCTS OF COMBUSTION
Description	Fire Resisting Material - Type: "LG Hausys Interior Film" Self Adhesive PVC Film (0.23mm thick)
Specified Standard	IMO Res. MSC.61(67)-(FTP Code) Annex 1, Part 5 and Annex 2 IMO MSC/Circ.1120

The attached Design Appraisal Document forms 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.

Date of issue	31 December 2012	Expiry date	30 December 2017
Certificate No.	SAS F120392	Signed	 Lloyd's Register Asia A member of the Lloyd's Register group Design Support, Busan Office
Sheet No	1 of 2	Name	M. Farrier Surveyor to Lloyd's Register EMEA A Member of the Lloyd's Register Group

Note:

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 of any modification or changes to the equipment in order to obtain a valid Certificate.

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

DESIGN APPRAISAL DOCUMENT

Date 21 January 2013	Quote this reference on all future communications LDSO/SFS/TA/MF
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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F120392

This Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Fire Insurers Laboratories of Korea (FILK), Kyunggi-Do, Korea, Test Report No. 971424, dated 25 February 1998.

CONDITIONS OF CERTIFICATION

1. When bonded to a metallic substrate.
2. Self adhesive PVC film of maximum thickness 0.23mm.
3. Smoke and toxicity criteria is satisfied by meeting the total heat release (Q_t) and peak heat release rate (q_p) as stated in IMO Fire Test Procedures Code, Annex 2, Section 2.2.
4. 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.

PLACE OF PRODUCTION

LG Hausys
388 Mangyang-ri
Onyang-eup
Ulju-gun
Ulsan-City, 689-901
Republic of Korea

Lloyd's Register Asia
A member of the Lloyd's Register Group
Design Support, Bureau Office

Lloyd's Register

Martin Farrier
Lead Specialist
Statutory Fire & Safety
London Design 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).