



## 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.

<b>Manufacturer</b>	U.P. Twiga Fibreglass Ltd
<b>Address</b>	Twiga House 3 Community Centre East of Kailash New Delhi - 110065 India
<b>Type</b>	<b>NON-COMBUSTIBLE MATERIAL</b>
<b>Description</b>	Fibre Resisting Material - Type: "Twiga Insul (density 24kg/m <sup>3</sup> )" Fibreglass Wool Insulation Material
<b>Specified Standard</b>	IMO Fire Test Procedures Code, Annex 1, Part 1

**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	28 August 2008	Expiry date	27 August 2013
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Certificate No.	SAS F080225
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Signed	
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Sheet No	1 of 2
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Name	M. Farrier Surveyor to Lloyd's Register EMEA A Member of the Lloyd's Register Group
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**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, 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 Group'. The Lloyd's Register Group 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 Group 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  
28 August 2008Quote this reference on all future communications  
LDSS/PAS/FITA/SA/MF**ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F080225**

This Design Appraisal Document forms part of the Certificate.

**APPROVAL DOCUMENTATION**

TÜV SÜD PSB Fire Test Laboratory, Tuas Avenue, Singapore; Fire Test Report No: S08MEC03240/LGJ dated 24 June 2008.

**CONDITIONS OF CERTIFICATION**

1. Consists of: Fibreglass wool insulation of nominal density 24kg/m<sup>3</sup>.
2. 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**

U.P Twaiga Fibreglass Ltd  
9, Sikandrabad Industrial Area  
Bulandshahr, U.P  
India



Martin Farrier  
Lead Specialist  
Product Approval Services  
London Design Support Services  
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).*