





Lloyd's  
Register

## Lloyd's Register EMEA

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### DESIGN APPRAISAL DOCUMENT

Date	Quote this reference on all future communications
15 December 2014	MTES/TA/SFS/JE/WP19728433

#### ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F140313/M1

This Design Appraisal Document forms part of the Certificate.

#### APPROVAL DOCUMENTATION

TUV SUD PSB Fire Test Laboratory, Tuas Avenue, Singapore; Fire Test Report No. S08MEC03240/LGJ dated 24<sup>th</sup> June 2008.

TUV SUD PSB Fire Test Laboratory, Tuas Avenue, Singapore; Fire Test Reports No. 7191084208-MEC14/A-MHA dated 7<sup>th</sup> July 2014 and No. 7191095472-MEC14-MHA dated 26<sup>th</sup> September 2014.

#### CONDITIONS OF CERTIFICATION

1. Consisting of: fibreglass wool insulation material, minimum density 16kg/m<sup>3</sup>, maximum density 80kg/m<sup>3</sup>.
2. Composition of all sub component materials, including any fire retardants, to be maintained in production in accordance with originally tested composition formula.
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.

#### PLACE OF PRODUCTION

U.P. Twiga Fiberglass Ltd.  
9 Sikandrabad Industrial Area  
District Bulandshahr  
Uttar Pradesh 203 205  
India

U.P. Twiga Fiberglass Ltd.  
N-40, Additional Ambernath Industrial Area  
MIDC, Shill Badlapur Road  
Ambernath (East)  
Dist. Thane - 421 506  
Maharashtra  
India



J. M. Evans  
Senior Surveyor  
Statutory Fire & Safety  
Marine Technology and Engineering 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).*