

# Statement of Approval



Approval No. **WP 1430054 HH**

The material described below complies with the applicable requirements as given in the Rules and Regulations of Germanischer Lloyd. On this basis the material is

approved as **Glass Fibre Reinforcement**

for the construction of components provided that the recommendations for use as specified by the producer are observed.

Type **E7 Glass 380 - Series**

Description **Direct Glass Roving**

Producer **Jushi Group Co., LTD  
Tongxiang Economic Development Zone  
Zhejiang 314500  
China**

Normative Reference **Rules for Classification and Construction,  
II - Material and Welding Technology  
Part 2 Non-Metallic Materials**

This document consists of this page and a one-page annex which is integral part of the approval.

This Statement of Approval is valid until 2018-10-27.

Hamburg, 2014-10-28

## Germanischer Lloyd

A blue ink signature of Guido Michalek, consisting of a stylized 'G' and 'M' followed by a horizontal line.

Guido Michalek

A blue ink signature of Joachim Rehbein, consisting of a stylized 'J' and 'R' followed by a horizontal line.

Joachim Rehbein



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## ANNEX

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Date: 2014-10-28

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Reference Technical specifications deposited at Germanischer Lloyd Head Office.

Assessed Documents

- Technical Data Sheet
- Test Report No. BG13060110 1-5 issued by GL accepted Testing Center of Jushi, dated on 2013-06-01.
- Workshop Inspection Report, issued by DNV GL Shanghai.

Fields of Application Construction of FRP laminates of components, on condition that the fibre comply with the applicable requirements of the Germanischer Lloyd and are compatible to the resins.

| Approved Variants | Type designation | TEX  | Filament Diameter |
|-------------------|------------------|------|-------------------|
|                   | - E7 Glass 380   | 200  | 16                |
|                   | - E7 Glass 380   | 300  | 13                |
|                   | - E7 Glass 380   | 600  | 17                |
|                   | - E7 Glass 380   | 1200 | 17                |
|                   | - E7 Glass 380   | 2400 | 17                |

Limitations Any significant changes in design and/or quality of the material will render the approval invalid.

End of Annex

**Germanischer Lloyd**