

# Statement of Approval



Approval No. **WP 1230006 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 **E-CR Glass Fibre Reinforcement**

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

Type	<b>SE 2020 Direct Rovings</b>
Description	<b>Single-End Roving</b>
Producer	<b>3B - the fibreglass company Route de Charneux 59 4651 Battice Belgium</b>
Normative Reference	<b>Rules for Classification and Construction, II - Material and Welding Technology Part 2 Non-Metallic Materials</b>

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 2016-10-31.

Hamburg, 2012-10-29

## Germanischer Lloyd

  
Stefan Röhr

  
Guido Michalek

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## ANNEX

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Date: 2012-10-29

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Reference Technical specifications deposited at Germanischer Lloyd Head Office.

Assessed Documents - Technical Data Sheet  
- Test Report No. B552/11 issued IMA Dresden, dated on 2012-01-23

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

Approved Variants	Type designation	TEX [g/km]	Filament diameter [µm]
	- SE 2020	300	16
	- SE 2020	600	17
	- SE 2020	1200	17
	- SE 2020	2400	17

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

End of Annex

  
**Germanischer Lloyd**