



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMPM000000E
Revision No:
2

This is to certify:

That

Hahlbrock GmbH
Wunstorf, Germany

is an approved manufacturer of
Manufacture of fibre reinforced plastics

in accordance with

DNV rules for classification – Ships
DNV rules for classification – High speed and light craft
DNV class programme DNV-CP-0421 – Manufacture of fibre reinforced plastics

and the following particulars:

Range of production	Production of components made of fibre reinforced plastics (FRP) Assembly of components
Production methods	Hand Lay-up Process Semi-automatic manual lamination Vacuum-assisted resin infusion Glass fibre resin spraying
Maximum size of components (length x breadth x height)	12.0 m x 4.5 m x 4.0 m
Supervisory personnel	Andreas Hahlbrock Stephan Müller

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules.
Materials to be applied to DNV classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2022-08-17**

for **DNV**

This Certificate is valid until **2025-04-30**.

DNV local station: **Magdeburg**

Approval Engineer: **Gabi Dau**

Thorsten Lohmann
Head of Section

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Particulars of the approval

Reference Documents: Inspection Report FRP601, dated 2022-04-21 and 20.96a, dated 2022-04-21

Approval Basis: Workshop inspection by DNV, dated 2022-04-21

Approved production site:

Hahlbrock GmbH Faserverstärkte Kunststoffe
Wischhöfersweg 7
31515 Wunstorf
Germany

Approval conditions:

The company is obliged to manufacture components according to the Rules of DNV whenever the components are design approved by DNV. This obligation is effective without detriment, regardless of contracts closed between manufacturer and customer. If no Approval of Manufacturer (AoM) certificate is necessary for the construction of certain components being examined by DNV, the company is only free of the obligation if they submit notification in writing to DNV before construction begins.

The company shall prepare an inspection plan for each type of component before start of construction and submit it to DNV. The plan shall clearly indicate the duties of construction and quality control. This inspection plan has to be approved by DNV prior to start of production.

Alterations or modifications within the company having substantial influence upon the manufacturing quality (e.g. alterations in construction methods and/or construction facilities) and changes in the qualification of personnel are to be immediately indicated in writing to the DNV surveyor in charge or to DNV Approval Centre.

Should any check reveal any deviations from the AoM certificate a determined period will be arranged for the elimination of these deviations and if necessary a subsequent examination will be undertaken. Should the subsequent examination establish that the deviations have not been eliminated, DNV is entitled to withdraw the approval. Should DNV get knowledge about any damages on products the company is responsible for, DNV is entitled to suspend the AoM certificate until the deficiencies are remedied or to withdraw this certificate.

END OF CERTIFICATE