



# APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:  
**AMPM0000047**

This is to certify:

That

**Heinz Fritz GmbH**  
**Herbrechtingen, Baden-Württemberg, Germany**

is an approved manufacturer of  
**Acrylic Plastic Windows**

in accordance with

**DNV GL rules for classification – Underwater technology**  
**DNV GL rules for classification – Ships Pt.2 Ch.3 Sec.5 Acrylic plastic**

and the following particulars:

**Approved manufacturing process:** Machining, forming (up to 180°), surface finishing (grinding, polishing), annealing  
**Base material:** Approved raw material, none laminated and laminated acrylic plastic castings

The manufacturer has an appropriate quality-assurance system, which has been additionally subjected to a specific assessment for acrylic plastic manufacturer. Furthermore, the manufacturer has shown the capability of manufacturing acrylic for windows according to the requirements of DNV GL rules RU-UWT Pt.4, Ch.7, Sec.3 and ASME PVHO-1-2019, Sec. 2, Art. 3, respectively.

This certificate is valid under consideration of following remarks:

- For each product test certificates have to be issued covering all required terms of above mentioned applicable rules and standards
- As the above mentioned products, do not comply with harmonized standard, a material appraisal is required for the individual application

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules Pressure Equipment Directive and ASME PVHO-1. Materials to be applied to DNV classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2020-11-20**

for **DNV**

This Certificate is valid until **2023-11-19**.

DNV local station: **Hamburg Pressure & Underwater Technology**

Approval Engineer: **Jonathan Struwe**

**Harald Pauli**  
**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.





Job Id: **263.11-011346-1**  
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## Particulars of the approval

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This is a renewal certificate of previous certificate 56271-17HH.

The renewal audit has been performed by Surveyor Jonathan Struwe.