

APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM0000111
Revision No:
1

This is to certify:

That
Blanson Ltd
Leicester, United Kingdom

is an approved manufacturer of
Acrylic Plastic Castings and Acrylic Windows

in accordance with
DNV GL rules for classification – Underwater technology

and the following particulars:

Product	Acrylic Plastic Castings and Acrylic Windows
Approved manufacturing processes:	Casting, machining, surface finishing (grinding, polishing), annealing. Spot cast repair of damaged windows prior to being placed in service. Bonding of acrylic castings for manufacturing of windows (max. thickness 220mm), applicable only for compressive membrane stress loaded windows (e.g. NEMO type spherical windows)

**The manufacturer has an appropriate quality-assurance system, which has been additionally subjected to a specific assessment for acrylic plastic in accordance with the European Pressure Equipment Directive 2014/68/EU in its valid version and has shown the capability for the manufacture of above mentioned products.
Furthermore he has shown the capability of manufacturing acrylic material for windows and Type 1 custom castings acc. to the requirements of ASME PVHO-1-2016, Section 2, Article 3.**

This certificate is valid under consideration of following remarks:

- **The certification according to ISO 9001 has to be maintained.**
- **For each batch of acrylic plastic to be made into windows, test samples shall be tested.**
- **The bonding process is described in the quality document Ref No QD-EX301 (3.-12).**
- **Spot cast repairs are described in the work instruction 2.-12.**
- **For each batch test certificates have to be issued covering all required terms of above mentioned applicable rules and standards**

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

Issued at **Hamburg** on **2019-10-09**


for **DNV GL**

This Certificate is valid until **2022-07-31**.

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

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Dr. Stephan Hinz

Approval Engineer: **Karsten Hagenah**



Job Id: **263.11-010123-1**
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