DNV·GL

Certificate No:
TAK0000184

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Epoxy Systems

with type designation(s)
Plastic Steel Weicon A

Issued to
Weicon GmbH & Co. KG
Münster, Germany

is found to comply with
DNV GL rules for classification – Ships
GL Rules for Classification and Construction VI - Additional Rules and Guidelines Part 9 - Materials and Welding Chapter 5 - Guidelines for the Approval of Reaction Plastics and Composite Materials for the Seating and Repair of Components

Application :

Repairs of machinery and equipment. The application shall be carried out in accordance with manufacturers' instructions and under survey of DNVGL.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Issued at **Hamburg** on **2018-05-16**
This Certificate is valid until **2023-05-15**.
DNV GL local station: **Essen**

Approval Engineer: **Joachim Rehbein**

for **DNV GL**

Thorsten Lohmann
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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Job Id: **262.1-027600-1**
Certificate No: **TAK0000184**

Product description
Weicon Plastic Steel A: 2 - component epoxy resin system with filler

Application/Limitation
Repair activities for components which affect or might affect the Class of the ship, have to be reported in advance to DNVGL.
Installation only in accordance with DNVGL rules and work instruction of manufacturer.

Without further tests the maximum working temperature is restricted to 65°C.

An adequate curing shall be proven by a Shore D test. A hardness of 80 shall be achieved.

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

Type Approval documentation

Marking of product
The product to be marked with manufacturer's name or trademark and type number identification.

Periodical assessment
The scope of the periodical assessments is to verify that the conditions stipulated for the certification are in compliance with the Type Approval documentation and that no alterations are made to the product design or choice of materials.
Periodical assessments will be carried out bi-yearly(Certificate Retention) and at renewal after 5 years (Certificate Renewal).
When possible, this assessments may be harmonised with normal surveys for product certification and / or other surveys and audits carried out.

END OF CERTIFICATE