DNV·GL

Certificate No:
TAK0000197

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Adhesive

with type designation(s)
BÜFA®-Bonding Paste 0110

Issued to
BÜFA Composite Systems GmbH & Co. KG
RASTEDE, Germany

is found to comply with
DNV GL rules for classification – Ships
DNV GL rules for classification – Yachts
DNV GL class programme DNVGL-CP-0086 – Type approval – Adhesive systems

Application :

Two component vinyl ester resin for bonding of laminates

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

Issued at **Hamburg** on **2018-08-21**
This Certificate is valid until **2023-01-31**.
DNV GL local station: **Bremerhaven**

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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Product description

BÜFA® - Bonding Paste 0110: Two component vinyl ester resin

Approved Variants:
- 740-0110
- 740-0111
- 740-0114

Application/Limitation

The resin complies with the applicable requirements of DNV GL and is compatible to the fibres, adhesives and core materials.
Any significant changes in design and / or quality of the material will render the approval invalid.

Type Approval documentation

Tests carried out

Type Testing carried out according to **Type Approval documentation**.

Marking of product

Product shall be marked with *manufacturer's name* and *type designation*.

Assessed production site(s)

BÜFA Composite Systems GmbH & Co. KG
Hohe Looge 2-8
26180 Rastede
Germany

Periodical assessment

A production site with a valid Approval of Manufacturer (AoM) certificate for material in question is exempted from the obligation concerning retention and renewal assessments.
For manufacturer without a valid AoM a periodical assessment after 2.5 years and at renewal after 5 years is required.

END OF CERTIFICATE