DNV·GL

Certificate No:
TAK0000171

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Gelcoats and Topcoats

with type designation(s)
BÜFA - Standard - Gelcoat, BÜFA - Standard - Topcoat

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

is found to comply with
DNV GL rules for classification – Ships
DNV GL class programme DNVGL-CP-0083 – Type approval – Polyester resin, vinylester resin, gelcoat and topcoat

Application :

Sealing of laminates made of fibre reinforced plastics

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

Issued at **Hamburg** on **2018-04-13**
This Certificate is valid until **2023-01-08**.
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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Job Id: **262.1-027370-1**
Certificate No: **TAK0000171**

Product description
Unsaturated polyester resin with filler

Approved variants
BÜFA – Standard – Gelcoat - S
BÜFA – Standard – Gelcoat - H
BÜFA – Standard – Topcoat - S
BÜFA – Standard – Topcoat - H

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*.

Assesed production site(s)
BÜFA Composite Systems GmbH & Co. KG
Hohe Looge 2-8
26180 Rastede
Germany

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.

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.
END OF CERTIFICATE