



Certificate no.:
TAK00002FV

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Adhesive

with type designation(s)
WP051, Vactac 300 and Vactac 350

issued to

Power Adhesives Ltd
Essex, United Kingdom

is found to comply with

DNV class programme DNV-CP-0083 – Type approval – Polyester resin, vinylester resin, gelcoat and topcoat
DNV class programme DNV-CP-0089 – Type approval – Epoxy resin systems

Application:

Positioning adhesive for fabric layup.

Issued at **Hamburg** on **2025-02-20**

This Certificate is valid until **2030-02-19**.

DNV local unit: **UK & Ireland CMC & VMC**

for **DNV**

Approval Engineer: **Gisle Hersvik**

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.

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 USD 300 000.

Product description

Positioning adhesives for fabric layup: **WP051**, **Vactac 300** and **Vactac 350**

Polyolefin-based solution applied in molten state.

WP051: a clean spraying adhesive with up to 6 minutes open time. Green color.
Vactac 300: a very clean spraying adhesive with up to 9 minutes open time. Clear color.
Vactac 350: a very clean spraying adhesive with up to 9 minutes open time. Red and Blue colors.

Application/Limitation

Compatible with matrix chemistries (polyester, epoxy vinyl ester, epoxy) and fibres (glass, carbon, aramid).

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 in accordance with **Type Approval documentation**.

Marking of product

Product/package shall be marked with *manufacturer's name*: **Power Adhesives Ltd., UK**, *type designation* and *date of production/batch number*.

The marking is to be carried out in such a way that it is visible, legible and indelible. The marking of product is to enable traceability to the DNV Type Approval Certificate.

Periodical assessment

The scope of the Periodical Assessment is to verify that the conditions stipulated for the Type Approval is complied with and that no alterations are made to the product design or choice of materials.

Periodical assessments (for Certificate Retention / Certificate Renewal) shall be performed according to DNV-CP-0338.

This certificate is only valid if required Periodical assessments are carried out with satisfactory results. To check the validity of this certificate, please look it up in <https://approvalfinder.dnv.com>

END OF CERTIFICATE