

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Polyester Resins**with type designation(s)
POLYLITE® 420 Series with variants

Issued to

Polynt Composites Norway AS
Gamle Fredrikstad, Norway

is found to comply with

DNV GL class programme DNVGL-CP-0083 – Type approval – Polyester resin, vinylester resin, gelcoat and topcoat
DNV GL rules for classification – High speed and light craft
DNV GL standard DNVGL-ST-0342 – Craft**Application :****Grade 2 polyester resin for use in marine vessels in accordance with stated Rules/Standards.****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**Issued at **Høvik** on **2019-07-09**This Certificate is valid until **2024-07-08**.DNV GL local station: **Sandefjord**for **DNV GL**Approval Engineer: **Gisle Hersvik**

Rikard Törnqvist
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.



Product description

Products based on a medium reactive orthophthalic polyester resin; **POLYLITE® 420-000**

Variants, non-LSE products:

POLYLITE® 420-000, POLYLITE® 420-100, POLYLITE® 420-123, POLYLITE® 420-181,
POLYLITE® 420-200, POLYLITE® 420-240, POLYLITE® 420-300, POLYLITE® 420-510,
POLYLITE® 420-571, POLYLITE® 420-731, POLYLITE® 420-740, POLYLITE® 420-764,
POLYLITE® 420-800, POLYLITE® 420-810, POLYLITE® 420-820, POLYLITE® 420-851,
POLYLITE® 420-852,
REICHHOLD® 420-571, REICHHOLD® 420-571 WINTER, REICHHOLD® 420-571 SUMMER

Variants, LSE products:

POLYLITE® 420-M296, POLYLITE® 420-M731, POLYLITE® 420-M784,
POLYLITE® 420-M810, POLYLITE® 420-M850, POLYLITE® 420-M851,
POLYLITE® 420-M880, POLYLITE® 420-M887, POLYLITE® 420-M888,

Manufactured by

Reichhold AS, Lilleborggata 4, 1630 Gamle Fredrikstad, Norway

DNV GL local station: Sandefjord

Reichhold UK Limited, 54 Willow Lane, Mitcham, Surrey, United Kingdom CR4 4NA

DNV GL local station: Southampton

Reichhold Srl, Via Romagnoli 23, 43056 San Polo di Torrile (Parma), Italy

DNV GL local station: Milan

Reichhold Polymers (Tianjin) LTD, No.28, Bibo Street, Hangu Modern Industry Park, TEDA, Tianjin, 300480, P.R. China

DNV GL local station: Tianjin

Reichhold India Private Limited, F-38, MIDC, Ranjangaon Industrial Area, Taluka - Shirur, Dist. Pune, Maharashtra - 412 220, India

DNV GL local station: Mumbai

Responsibility

The Company (stated on the front page of this Certificate) takes the responsibility that both design and production are in compliance with Rules, Standards and/or Regulations listed on page 1 of this certificate.

Application/Limitation

The approval covers both non-LSE and LSE variants as listed above.

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

Type Approval documentation

Tests carried out

Job Id: **262.1-018524-2**
Certificate No: **TAK00001RX**

Type Testing carried out in accordance with **Type Approval documentation**.

Marking of product

Product shall be marked with *manufacturer's name, place of production and type designation*.

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 GL 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 Assessment to be performed after 2 and 3.5 years (Certificate Retention) and at renewal after 5 years (Certificate Renewal).

The main elements of the Periodical Assessment are to:

- Ensure that **Type Approval documentation** is available.
- Review design, materials, production process, and performance with respect to possible changes, in order to ensure compliance with **Type Approval documentation** and/or referenced material specifications.
- Ensure traceability between manufacturer's product marking and the DNV GL Type Approval Certificate.

END OF CERTIFICATE