



Certificate No:  
**TAK0000285**

# TYPE APPROVAL CERTIFICATE

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## This is to certify:

That the Epoxy Systems

with type designation(s)

**SR InfuGreen 810 / SD 477x-Series (Green Epoxy Systems for Injection and Infusion)**

Issued to

**SICOMIN**

**Chateauneuf les Martigues, Bouches du Rhone, France**

is found to comply with

**DNV class programme DNV-CP-0089 – Type approval – Epoxy resin systems**

**DNV rules for classification – High speed and light craft**

**DNV standard DNV-ST-0342 – Craft**

## Application :

**Laminating resin for construction of laminates made of fibre reinforced plastics.**

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

Issued at **Hamburg** on **2023-05-10**

This Certificate is valid until **2028-05-09**.

DNV local unit: **France CMC**

for **DNV**

Approval Engineer: **Gisle Hersvik**

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**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.

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 300,000 USD.



Form code: TA 251

Revision: 2022-12

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## Product description

**SR InfuGreen 810 / SD 477x-Series**, a two-component modified epoxy-based bio-sourced resin system (containing about 38% bio-based carbon) intended for injection and infusion processes. A green technology system derived from plant-based materials.

### Approved variants

Epoxy resin **SR InfuGreen 810** with following **SD 477x**-hardeners:

**SD 4771** – Ultra slow hardening

**SD 4773** – Standard hardening

**SD 4775** – Medium hardening

For material properties and approved combinations of resin and hardeners, please refer to technical data sheet for SR InfuGreen 810 / SD 4771, SD 4773, SD 4775.

## Application/Limitation

Laminating resin for construction of laminates made of fibre reinforced plastics, on condition that reinforcement fibre product complies with DNV requirements and is compatible with the resin. The resin system is specially formulated for resin transfer processes, such as injection or infusion.

The approval covers the product combinations stated above.

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 and address*: **SICOMIN, France** and *type designation*: **SR InfuGreen 810**, 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