DNV·GL

Certificate No:
TAK00001GV

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Epoxy Systems

with type designation(s)
SR 1280-Series

Issued to
SICOMIN
Chateauneuf les Martigues, Bouches du Rhone, France

is found to comply with
DNV GL class programme DNVGL-CP-0089 – Type approval – Epoxy resin systems

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 GL.

Issued at **Høvik** on **2019-01-08**
This Certificate is valid until **2024-01-07**.
DNV GL local station: **Marseille**

Approval Engineer: **Gisle Hersvik**

for **DNV GL**

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.

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Product description

SR 1280-Series; Two component epoxy resin system.

Approved variants
Epoxy resin **SR 1280** with following **SD 477x** hardeners:
- SD 4475 Medium reaction hardener
- SD 4473 Intermediate/standard reaction hardener
- SD 4471 Ultra slow reaction hardener

For material properties and approved combinations of resin and hardeners, please refer to technical data sheet for SR 1280 / SD 477x Laminating Epoxy Resin System.

Application/Limitation

Laminating resin for construction of laminates made of fibre reinforced plastics, on condition that reinforcement fibre product complies with DNV GL requirements and is compatible with the resin.

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 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 DNV GL Type Approval Certificate.

END OF CERTIFICATE