Sicomin
Epoxy Systems

MARINE

EPOXY RESIN SYSTEMS FOR MARINE

It’s all in the Chemistry

www.sicomin.com

Sicomin has provided innovative epoxy resin solutions to the marine market for more than 40 years, supplying a complete range of tooling materials, resins, adhesives, reinforcements, core materials and ancillary products to leading yacht and ship builders around the world.

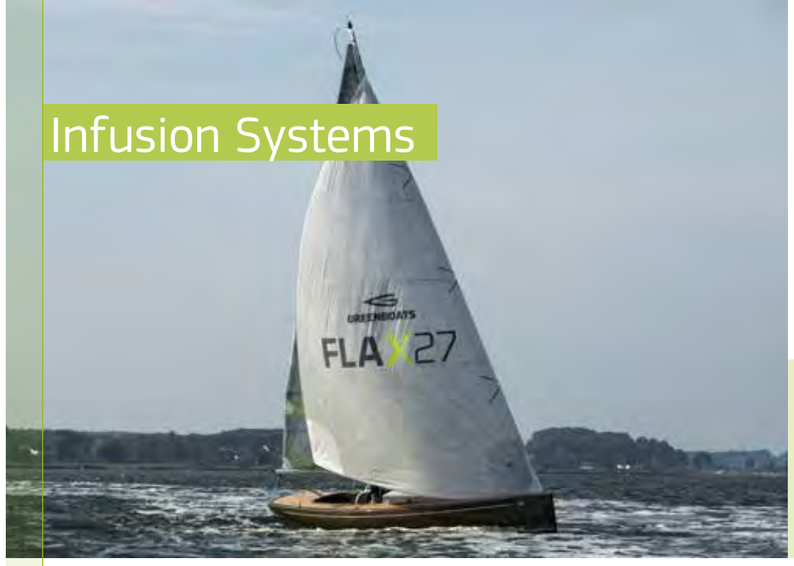
Dedicated to long term partnerships with marine industry specialists, Sicomin provide expert practical knowledge and technical support, whilst also striving to develop composite solutions that have less environmental impact on the oceans themselves. Sicomin's market leading GreenPoxy™ range of bio-based epoxies enable more sustainable construction with uncompromising performance.

Many of Sicomin's marine specific products have also received DNV GL type approval, providing ship, yacht and board manufacturers with reassuring 3rd party confirmation of the products' exceptional quality, performance and consistency.

MARINE

EPOXY RESIN SYSTEMS FOR MARINE

Infusion Systems



www.sicomin.com/
bio-based-epoxy

INFUGREEN 810

DNV·GL

GreenPoxy®

High-performance bio-epoxy system for infusion.

- Up to 38% bio-based carbon content.
- Very low viscosity clear system for infusion of small to very large parts, including very thick laminates.
- Room temperature infusion system.
- Choice of hardeners to adjust cure times.

READ CASE STUDY

VIEW
INFUGREEN 810
DATASHEET

MARINE

EPOXY RESIN SYSTEMS FOR MARINE

SR8100

DNV·GL

VIEW
SR8100
DATASHEET

Low viscosity epoxy system formulated for resin transfer processes such as injection or infusion.

- Particularly cost effective for infusion production methods.
- Very low viscosity at ambient temperature cure.
- Different hardener speeds allow the moulding of small to very large parts with rapid demoulding time.

sicomin.com/
processes/infusion

READ CASE STUDY

SR1710

VIEW SR1710 DATASHEET

Extremely high-performance structural epoxy system for resin transfer processes such as infusion and injection.

- Very low viscosity.
- Low reactivity hardener for large part manufacturing.
- Very high mechanical properties, especially inter laminar sheer strength.
- Excellent retention of mechanical properties in a wet environment.

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READ CASE STUDY

Laminating Resins

www.sicomin.com/bio-based-epoxy

GREENPOXY® 33

Bio-based hand laminating system.

- Up to 35% bio-based carbon content.
- A high-performance bio epoxy resin.
- Fast curing, clear laminate.
- High mechanical properties.
- Excellent wetting out properties resulting in a low resin consumption.

VIEW GREENPOXY® 33 DATASHEET

GreenPoxy®

Sicomin epoxies can be tailored for all production parameters

SR1280

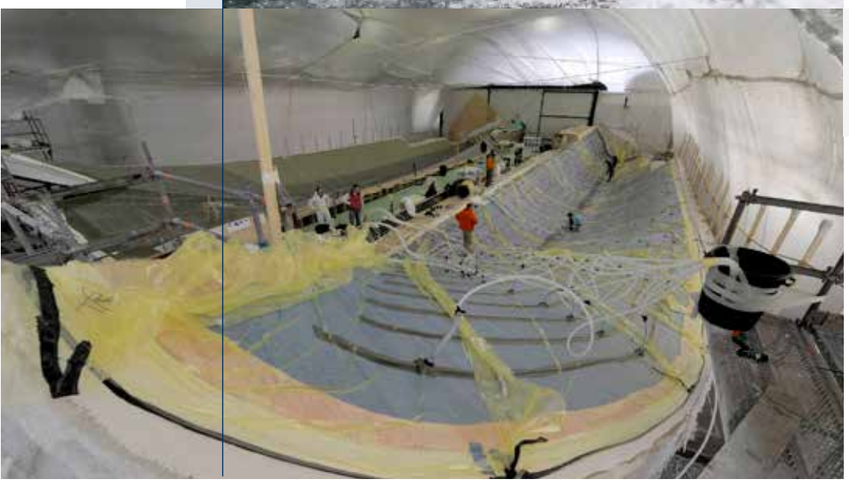
DNV·GL

VIEW SR1280 DATASHEET

Epoxy system for hand laminating, infusion, tooling and casting.

- **Choice of variety hardeners to adjust reactivity.**
- **Hardeners SD 4771, SD 4773 and SD 4775 are certified for shipbuilding by DNV-GL.**

sicomin.com/processes/laminating



SR8500

DNV·GL

Multi-purpose epoxy system suited to a wide range of marine composite components.

- **Excellent mechanical properties. Working temperatures up to 70˚C.**
- **Simple mixing – One resin and two hardeners, mixable in any proportions, to customise the reactivity.**
- **SR 8500 Black Gel thixotropic formulation also available.**

sicomin.com/processes/laminating

VIEW SR8500 DATASHEET

DNV GL and Lloyds Register Type approval for key Marine products

GREENPOXY® 56

USDA CERTIFIED BIOBASED PRODUCT

VIEW GREENPOXY® 56 DATASHEET

Multipurpose bio epoxy solution.

- Up to 51% bio-based carbon content.
- Achieves tough and hard wearing gloss laminates.
- Suitable for laminating, injection moulding, filament winding, press processes and casting.
- Guaranteed supply in industrial tonnages.

www.sicomin.com/bio-based-epoxy

GreenPoxy®

Sustainable materials with uncompromising performance.

MARINE

EPOXY RESIN SYSTEMS FOR MARINE

Bonding Resins

sicomin.com/processes/bonding

ISOBOND SR7100

VIEW ISOBOND SR7100 DATASHEET

Highly structural epoxy adhesive for thin or thick bonding.

- Formulated for thick and thin bond lines.
- Resists high stress in fatigue (excellent against propagation of microcracks).
- Application on non-porous surface materials is possible.

Complete package of composite materials for Marine

sicomin.com/
processes/bonding

ISOBOND SR7200 HTG

VIEW
ISOBOND SR7200 HTG
DATASHEET

High Tg structural epoxy adhesive.

- High performance adhesive with Tg max of 80°C.
- Specifically formulated for thick and thin bond lines.
- High fatigue strength and resistance to microcracking.
- Adheres to most materials.
- Gel texture for easy mixing and application.

Market leading range of GreenPoxy® bio-based epoxies available

Foaming Solutions

sicomin.com/
processes/foaming

VIEW
PB 170, 250, 400 AND 600
DATASHEET

PB 170, 250, 400 and 600

Tough and resilient ambient curing epoxy foams.

- Densities obtained are approximately 170, 250, 400 and 600 kg/m³ respectively (open mould expansion at 23°C).
- Can be poured onto and co-cured with prepregs or other epoxy laminates.
- Standard foam colour is white, can be coloured with epoxy compatible pigments.
- 2 stages reaction, gentle expansion followed by slow hardening of the foam.
- Adhere to a wide range of materials.
- CFC free and highly water resistant.