



GREENPOXY® BIO-BASED SYSTEMS

SUSTAINABLE MATERIALS WITH UNCOMPROMISING PERFORMANCE



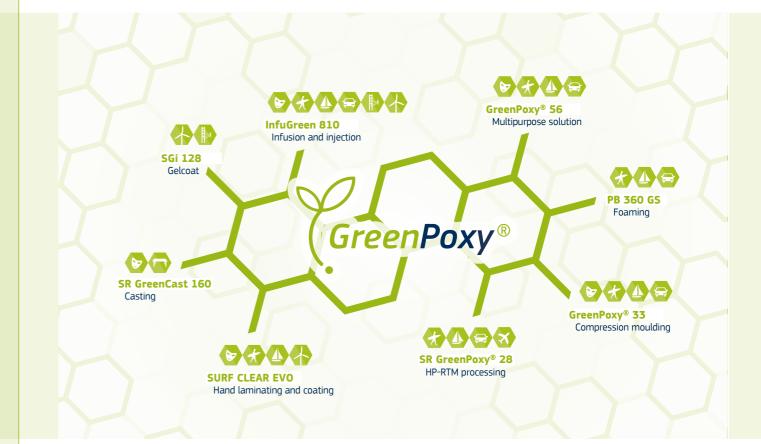
It's all in the Chemistry

www.sicomin.com

With the world continuing to need products that are less harmful to the environment, Sicomin believes strongly in the development of sustainable composite materials and continues to invest considerable resource and expertise into developing new, bio-based systems derived from renewable resources.

Sicomin's GreenPoxy® range, developed and manufactured in France, offers the largest range of next generation bio-based epoxy resin systems on the market today, some produced with up to 51% of bio-carbon content deriving from plant and vegetable origin (ASTM D6866).

Matching the performance of non-bio systems, GreenPoxy® has created a wide following and is now used in a variety of markets such as marine structures, water and winter board sports, construction, automotive and electric vehicles. With its recently expanded manufacturing capability, Sicomin can provide commercial scale capacity for the largest of industrial applications with no performance compromised.



GREENPOXY® 28





A bio-based epoxy resin aimed specifically at HP-RTM processing techniques.

Up to 28% bio-based carbon content*.



"Sicomin's GreenPoxy® technology delivers supreme mechanical performance whilst enabling sustainable manufacturing practices." ZAG





SGI 128





A bio friendly intumescent gelcoat.

- Up to 38% bio-based carbon content.
- Exceptional fire performance.
- Halogen free with low smoke toxicity.
- Hardwearing weatherproofed finish for exterior applications.
- Available in industrial volumes.
- Tested to EN 13501 (EUROCLASS B-S1-d0) and ASTM E84 (Class A).



Available in industrial volumes.



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INFUGREEN 810





A bio solution 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.









TAIL VE

A bio solution for compression moulding.

- 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.





READ CASE STUDY





SUSTAINABLE MATERIALS WITH UNCOMPROMISING PERFORMANCE





SURF CLEAR EVO





A bio solution for hand laminating and coating

- Up to 37% bio-based carbon content.
- · Provides the highest UV resistance of all the Sicomin clear resins.
- · Specifically developed for the construction of surf and windsurf boards.
- High gloss appearance for transparent laminates, clear carbon parts, wooden components, and decorative goods.
- Self-levelling, sandable and scratch resistant.





The largest range of bio-based systems on the market.

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GREENPOXY® 56







Multipurpose bio 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.



Innovative formulations match the performance of non-bio systems.









PB 360 GS





New bio-foaming epoxy.

- Up to 37% bio-based carbon content.
- Allows 'in situ' production of a shaped lowdensity epoxy foam core.
- Two-part system.
- Offers good adhesion to a variety of materials and low water absorption.
- Particularly suited to foam cored components with lightweight glass, carbon or natural fibre laminates.



"Our goal is to really get people excited about Natural Fibre Composites. Sicomin's GreenPoxy® products help us create sustainable composites with no compromise in performance or appearance." **GREENBOATS®**





GREENCAST 160

River table cosmetic casting

- High clarity, UV resistant epoxy system
- 40% bio-based carbon content
- Low reactivity for thick casting pours



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SR FIREGREEN 37





A more sustainable fire retardant hand laminating system.

- Intumescent epoxy resin system with 25% bio-based carbon content.
- Halogen free with low smoke opacity and toxicity.
- Range of hardeners to adjust cure times.



www.boutique-resine-epoxy.fr/en/