



PLANKTON

Biobased Epoxy Resin
made from **Renewable Resources**

PLANKTON



Plankton are microscopic organisms that float freely with oceanic currents and in other bodies of water. Plankton is made up of tiny plants (called phytoplankton) and tiny animals (called zooplankton). Plankton is an essential part of the marine food chain. But according to new research, their numbers are dwindling. Plankton are the base of the marine food web, without them all larger organisms will probably die. No plankton=no fish= no food for millions of people.



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PLANKTON

Bio -Epoxy Resin made from Renewable Resources

Our product uses a naturally occurring and **renewable resource** and has low odour.

The compressive strength of the Bio-Epoxy resin is very hard, with values of between 77 and 90 MPa, indicating excellent cross-linkage of the polymer throughout the resin mixture.

Various fillers, additives and dyes have been tested with the Bio-Epoxy resin and applied as a thin coating on timber and concrete. These tests show great application opportunities for the bio-epoxy resin in the existing market and new market opportunities that will take advantage of its **hardness, adhesive strength, resistance to UV and transparency**. The clear version of the Bio-Epoxy can be as transparent as glass.

Applications



Building industry

as a sealant or floor cover, feature finishes either in the coloured or clear form, building materials and adhesives.



Manufacturing industry

in fiberglass products such as marine craft, rainwater tanks; in plastics for car light or traffic light lenses; electrical circuit boards.



DIY

a broad range of products from adhesives to water repelling sealants, feature finishes, and numerous hobbies.

TECHNICAL DATA SHEET

Mechanical & Processing data

100:22	Mix Ratio (by volume)
100:30	Mix Ratio (by weight)
1 hour	Working life
Tacky for up to 12 hours	Gel time
Yes	Phenol free
70-80 MPa	Compression Strength

Key features

100% Renewable properties

Primary ingredients from renewable sources.

UV resistant

48hrs UV lamp exposure.

More applications

Molding, sealant coating, adhesive (glue or fiberglass resin).

BPA free

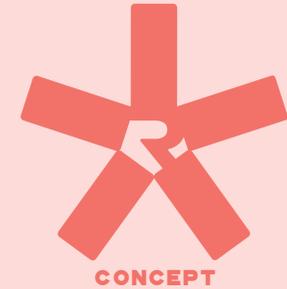
Low viscosity

Yellowing resistance

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