

# ZEOFORM FROM AUSTRALIA A NEW ECO-FRIENDLY MATERIAL OBTAINED FROM RECYCLING WASTE

By Ivan Lawrence White

ZEO is a privately held company that has developed and patented a revolutionary eco-friendly industrial material, derived from raw cellulose – the most abundant source of fiber on the planet.

Pure cellulose extracted from recycled and reclaimed papers, industrial hemp, discarded natural fabrics, waste and renewable plants, is sustainably transformed into a strong, durable, flexible base material called ZEOFORM™. This patented process converts cellulose fibers into an industrial strength molding material capable of being formed into an unlimited array of products. ZEOFORM is a revolutionary material, 100% non-toxic, biodegradable, compostable and 'locks up' carbon into beautiful, functional forms. ZEOFORM is truly 100% eco-friendly, with no glues, binders, chemicals or additives of any kind. A solution for emerging hemp industries and bio-waste nations.

In particular, ZEOFORM:

- Produces commercial/industrial grade material ranging from Styrofoam-light to ebony-dense.
- Can be combined with dyes, minerals, substrates, sand, cement, carbon, Kevlar and other elements to enhance colour, strength, flex, resilience, conductivity, waterproofing and other qualities.
- Is an exciting new material for architects, engineers, designers, builders, manufacturers & makers.
- Offers a sustainable solution for farmers, growers, waste managers, paper mills etc.
- Will revive declining industries (paper mills), offer mass employment, and generate new economies.

Similar in look, feel and function to a dense hardwood, ZEOFORM can be sprayed, moulded or formed into infinite shapes, sizes, colours and variations, including specialized substrates for unique applications in any industry requiring woods, plastics and resins for manufacturing.

ZEOFORM's applications include:

- Flat panels for cladding, doors, walls, floors, ceilings, cupboards, shelves, counter tops, tiles, splashbacks, laminates.
- Tubes/pipes for structural beams, columns, handrails, towel rails, banisters, furniture legs, handles, curtain rails.
- Moulded components for handles, switches, light fittings.

While wood resources are rapidly diminishing, and environmentally hazardous substances like petrochemical derivatives are an unsustainable source for the future, ZEOFORM converts waste into a universal material that will replace most plastics, woods and composite materials used in



manufacturing today. For this reason it has been called *The Holy Grail of eco-materials*. It is a game-changing technology that will impact global industry, much like plastics did in the past years, but without the toxic legacy that industry created, transforming waste recovered and renewable cellulose biomass into a range of new materials for specialized and everyday use.

ZEOFORM Company, located in Mullumbimby, in the region of Byron Bay that are becoming known for sustainable lifestyle, is making an impacting contribution for a new global green economy.

### To know more

[Zeoform website](#)

[Zeoform products](#)

[Article in Huffigonpost.com](#)

[Article in Leafscience.com](#)

[Article in Theguardian.com](#)

[Ministry of Industry and trade – Viet Nam](#)

