



*Quality and Service
for over one hundred years*

RECOPOL™
MINIMISE WASTE
MAXIMISE DESIGN

Recopol™ for eco-efficient furniture design and manufacture

Wharington have developed a smarter, safer and cleaner way to manufacture furniture. Replacing timber framing with Recopol™ recycled resin shells reduces labour production times, lowers the volume of materials required and minimises the use of glues and waste generated during production. Recopol™ is a sophisticated new design medium for designers and manufacturers that lowers the environmental impacts over the life of the furniture.



Recycled resin granules are moulded into Recopol™ shells for designer furniture

Suggested Furniture Components

- Chair Seats, Backs and Arms
- Stools
- Tabletops
- Tub Chair Shells
- Lounge Chair Shells
- Bed Ends
- Single Chair Shells
- Sofa Ends and Sections
- Ottomans



Recopol™ recycled resin comprises post-consumer and post-industrial engineering grade resins.



Smart,
Green
and
Clean

Wharington manufactures a wide range of stock Recopol™ shells and custom shells can be manufactured to specification. With in-house production, tooling costs are kept low.

Designing with Recopol™

- Recopol™ shells are able to produce large, shaped furniture shells without requiring expensive tooling.
- Recopol™ enables design free from the constraints of timber technology.
- Upholstery features are able to be moulded into the shells, grooves, flanges, slots, holes, piers etc.
- Recopol™ shells can be designed to use streamlined upholstery techniques.
- Recopol™ has the facility to encapsulate metal fixtures assists in upholstery and assembly.
- Threaded metal inserts can be inserted into Recopol™ shells.



Granulated recycled resin

Environmental Information

- Recopol™ is redeeming a valuable resource, recycling engineered grade polymers from the automotive, electronic, appliance and post-industrial industrial waste streams.
- Engineered resins take hundreds of years to break down in landfill.
- Production of Recopol™ shells reduces greenhouse emissions.
- Recopol™ production is energy efficient.
- Recopol™ shells reduce the volume of waste in production and at end of life disposal.
- Recopol™ reduces the demand for timber from our precious forests.
- Compound curves in the mouldings reduce the volume of polyurethane foam required.

Manufacturing Advantages

- Safer and cleaner workplaces.
- Furniture manufacturing without timber waste.
- Excellent stapleholding.
- Recopol™ shells are durable and lightweight.
- Recopol™ shells are resistant to insects, moisture and moulds.
- Recopol™ shells can be re-used endless times.
- Recopol™ shells can be reworked for new furniture styles.
- Minimal waste generated and glues used during production.
- Recopol™ can be worked with traditional timber hand and power tools.

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Recopol™ Product Designers' Manual available on request

Produced using 50% recycled paper

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