Wharington

Proudly manufacturing in Australia for over 120 years

RECOPOL™

GOOD DESIGN

GREEN DESIGN

Recopol™ recycled plastic mouldings

FOR ECO-EFFICIENT FURNITURE DESIGN AND MANUFACTURE

Recopol™ recycled ABS plastic mouldings redeem engineering grade plastics from post-consumer and pre-consumer waste streams to replace non-sustainable materials used in the internal framing of furniture. For more information about Recopol™ visit our website at: **www.recopol.com.au**

SUGGESTED FURNITURE COMPONENTS

- Chair seats, backs and arms
- Tub chair shells
- Sofa sections and ends
- Tabletops
- Ottomans
- Single chair shells
- Stools and stool seats
- Webbing frames

ecospecifier global GREEN TAG™ CERTIFIED GOLD PLUS GreenRate | Level A

ecospecifier global find it on ecospecifier.com.au

Certified System™ Environment ISO 14001 SAI GLOBAL

RECYCLED PLASTICS

Recopol™ recycled plastic mouldings are a sophisticated eco-design medium for designers and manufacturers that lowers environmental impacts over the life of the furniture. Using Recopol™ to frame your furniture replaces non-sustainable framing materials, reduces labour production times and the volume of materials required, minimises the use of glues and waste generated in production.

Recopol™ recycled plastic mouldings have the Ecospecifier GreenTag™ Gold Plus Level A accreditation, and as part of the Wharington Environmental Pledge, all off-cuts and shells at end of life can be returned to Wharington for re-manufacture – conditions apply.

Wharington International Pty Ltd ABN 49 004 917 042 **www.recopol.com.au**

48–50 Hargreaves Street Huntingdale Victoria 3166 Australia | **T** +61 3 9544 5533 | **F** +61 3 9543 1907 | **E** sales@wharington.com.au

Recycled ABS plastic granules are moulded into Recopol™ mouldings used for framing furniture.

Wharington offers a wide range of stock Recopol™ shells and custom shells can be manufactured to specification. Tooling costs are kept low with in-house manufacturing in the company engineering plant.

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.
- The Recopol™ moulding process enables the encapsulation of metal fixtures including threaded metal inserts and T-Nuts into the mouldings to assist with the upholstery, assembly and disassembly of the furniture.

ENVIRONMENTAL INFORMATION

- Recopol™ mouldings have been tested for VOCs by CETEC Pty Ltd and found to be less than the 0.25mg/m^3 as specified by the Green Building Council of Australia Green Star Office Interiors IEQ-11.
- Recopol™ is redeeming a valuable resource, recycling engineered grade polymers from the automotive, electronic, appliance and post-industrial industrial waste streams.
- Engineered plastics 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.

Recopol™ Product Designers' Manual available on request.

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