

Design for Disassembly

Enabling Furniture Reconfiguration, Reuse and Materials Recycling

Design for Disassembly (DfD) at Zenith Interiors Pty Ltd serves multiple objectives and sits within the broader company goal aimed at achieving furniture sustainability.

The critical objective of how we apply DfD is to enable and facilitate higher levels of materials efficiency, waste avoidance and resource recovery.

Our DfD strategy and methods operate within the Waste Minimisation Hierarchy and applied at a practical level wherever relevant along the furniture life cycle. Zenith Interiors utilises DfD features so that the end-use benefits and environmental outcomes are meaningful and practical.

DfD features in Zenith Interiors furniture products are embedded with a view to maximising ease of reconfiguration and refurbishment, as well as ease of dismantling for straightforward component reuse and materials recovery/recycling. Our DfD features include:

- Identification of major plastic types according to relevant ISO standards for plastics to enable easier sorting, segregation and recycling.
- Use of fixing and fastening methods that do not require specialised tools or trades.
- Avoidance of co-moulding, bonding and/or fixing of different materials that may contaminate recycling processes.
- Use of standardised screws and other fixing and fastening methods that enables straightforward dismantling by non-specialised tools or trades.

Our approach to embedding DfD features is part of a connected sustainability framework at Zenith Interiors. Wherever relevant and technically feasible we consider the direct and indirect benefits of how DfD relates to end-of-life take-back as well as Design for Modularity.

Most importantly we recognise the direct connection between DfD and the critical importance of Zenith Interior's Product Stewardship program. The DfD features in our furniture products are designed to be exploited through our product life cycle management services and our overall commitment to Extended Producer Responsibility.

As part of our ongoing environmental improvement activities, Zenith Interiors is also systematically requiring all external suppliers to address DfD and recyclability objectives. This will deliver a consistent range of environmentally enhanced furniture products, which meet specific requirements through the Green Building Council of Australia's Green Star Office Interiors rating tool.

Zenith Interiors will continue to refine and implement Design for Sustainability features in its products as new research, methods and systems are identified and evaluated.

This official company statement on Design for Disassembly is supported by product-specific diagrams highlighting DfD features and aspects. These diagrams are available on request.



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Date: 01/07/2026

Next Review: 01/07/2028