



Woven Image®

Woven Image®

Echo™ Panel

Echo™ Panel



For information

Woven Image Pty Ltd
Building 10, 1 Vuko Place
Warriewood NSW Australia 2102
Ph +61 2 9913 8668
Fax +61 2 9913 8669
info@wovenimage.com
www.wovenimage.com

Specifications

Product Name	Echo™ Panel
Designer	Woven Image
Origin	Australia
Colours	7
Composition	100% PET
Panel Dimensions	2400mm x 1200mm
Weight	2400g/m ²
Thickness	12mm +/- 7% 9mm +/- 7%

Performance

Colour fastness to light	ISO 105-B02-1994 Rating: 6-7 AS 2001.4.21-1970 Rating: 6-7
Fire Test	AS 1530.3
Fabric Care	Blot excess spills from material quickly. Wipe with a damp cloth. If stain persists, apply small quantities of carpet or upholstery shampoo solution with a damp cloth. Blot well with a clean cloth after each application of the solution. Warning: avoid excessive amounts of water. Ensure adequate ventilation if the product is likely to be subject to excessive moisture.
Sound Absorption	AS 1935.1-1998 NRC Value: 0.54 (with 20mm air gap). Present stock may vary from this project sample due to fibre lay up which is an inherent feature of this product.
Woven Image reserves the right to update and modify this brochure as new information and data become available.	

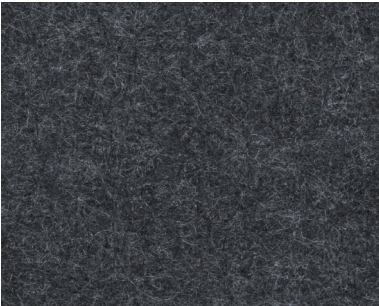
Patent Protected

www.wovenimage.com

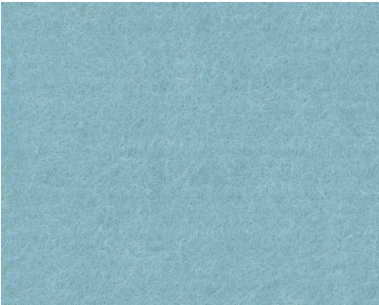
Dec 07



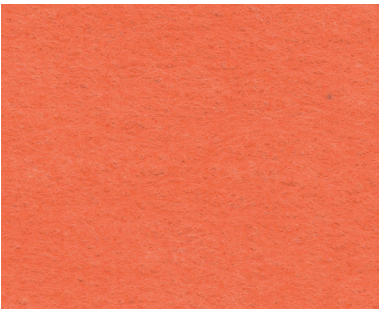
Echo™ Panel



542 - Charcoal



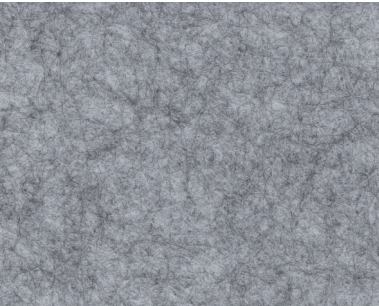
551 - Blue



295 - Mandarin



579 - Pistachio



442 - Grey



909 - Beige



500 - Off White

Designed for dematerialisation and sustainable interiors

Echo™Panel is a new product from Woven Image that demonstrates our commitment to environmental performance and sustainable interiors.

Improving the environmental performance of office interiors and workplaces is now a well-established and agreed imperative among designers, specifiers, facility managers, tenants and building owners.

Echo™Panel has been under development in a number of product categories for over many years. Its most obvious and effective application is as a replacement for textile covered tiles in workstation systems and as a lighter, more flexible recyclable partitioning system.

Echo™Panel is the most recent outcome of long-term research and development, which commenced in 1997 between Woven Image and the Centre for Design at RMIT. Several opportunities for the productive use of PET and recycled PET in furnishing fabrics were identified and reviewed as part of RMIT's EcoReDesign™ program. Additional development work by Woven Image resulted in the successful launch of Echo™Screen fabric in 1999.

Dematerialisation represents some of the latest thinking in EcoDesign and the sustainable application of products, materials and services. It is also a concept that is in harmony with waste avoidance. Echo™Panel is centred on the concept of dematerialisation.

The sustainable application of products and materials is a key priority for Woven Image. We not only strive to create low impact products, we are also developing systems and services to ensure our products do not contribute to future environmental problems when they are discarded or become obsolete.

Woven Image will strive to retain responsibility for Echo™Panel wherever practical and within our scope of business activity. Woven Image will guarantee to coordinate the recovery and recycling of uncontaminated Echo™Panel from disassembled workstations and partitions. Woven Image will also co-ordinate the pickup and recycling of factory offcuts.

What is Echo™Panel?

- Produced from PET fibre
- The base fibre is certified to Oeko-tex Standard 100 for meeting human-ecological requirements. Certified by TESTex Zurich, Swiss Textile Institute

- Enables dematerialisation through elimination of combined fabric and wood panel screens, partitions and tiles.
- Strong focus on waste avoidance
- Extreme light weight allows diverse range of applications without the need for structural support and/or substrates
- In harmony with Woven Image's Environmental Policy

Echo™Panel is an enabling material for designers, furniture manufacturers and end-users.

Echo™Panel is produced from 100% PET (Polyethylene Terephthalate) which is technically recyclable. PET is the same material that many drink bottles are made from.

Echo™Panel is manufactured in a way that no waste is created. Source fibre that is not transformed into useful product is collected and re-used i.e. post-industrial recycling.

Ensuring that our suppliers comply with relevant environmental standards is part of how Woven Image is "greening" the supply chain.

Key benefits

Reduced costs in labour and materials

Workstation tile manufacturing processes that utilise Echo™Panel are uncomplicated and utilise fewer materials compared to traditional screen systems.

Instead of upholstering a metal tile or a piece of MDF board, Echo™Panel is the finished surface removing the cost of fabric, foam and adhesive.

The resulting system not only uses less material in its production but is also less labour intensive with reduced materials handling.

Less weight

At 2400 grams per square metre, Echo™Panel is about one third of the weight of MDF board or Plaster Board in equivalent 12mm thickness.

Flexible design

It's a surface in itself with significant design potential to enable designers and workstation manufactures to redefine, reinvent and reconfigure the office partition.

Environmentally Compatible

Echo™Panel is produced from 100% PET (Polyethylene Terephthalate) which is technically recyclable and Woven Image will recover and recycle (uncontaminated) Echo™Panel at end of life.

Environmental thinking

A workstation utilising Echo™Panel is much easier to disassemble and separate into the appropriate recycling streams, and therefore a significant environmental advantage compared to a fabric-covered substrate.

There are no harmful effects in the colouration of Echo™Panel. Unlike a dyed fabric that produces water-based effluent this fibre is coloured while it is still a solution. All the dyes used stay in the solution and effectively become fibre so there is no waste. The source fibre used in Echo™Panel fulfils the requirements of existing European legislation regarding the use of Azo-dyes.

The simple fact that Echo™Panel can be used as an effective surface and/or substrate which eliminates problematic materials that would otherwise contaminate existing recycling systems and technologies. At present, end-of-life partitions, screens and workstations that are not refurbished or disassembled for materials recycling, end up in landfill. This is primarily due to the difficulty of recycling reconstituted wood panel products covered with adhesives, fabrics and fasteners that are not compatible with recycling processes.

Collaboration with designers and workstation manufacturers

Echo™Panel provides opportunities for designers and furniture manufacturers to think and act laterally and responsibly.

Echo™Panel is far more than a primitive substrate produced for covering and layering with adhesives and fabric. Whether used as replacement for textile covered tiles in workstation systems, or as a lighter, more flexible and functional partitioning system, Echo™Panel allows greater flexibility to create productive and sustainable interiors.

Echo™Panel challenges the way we perceive textiles and textural surfaces. It is an uncomplicated yet highly flexible product that encourages designers to explore the smart material possibilities of waste avoidance and dematerialisation in creating sustainable interiors and workplaces.