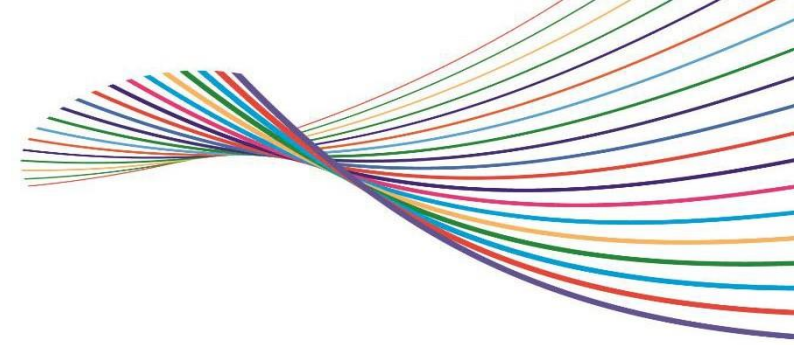


Zipform Packaging Overview

February 2022



Innovative and Reliable



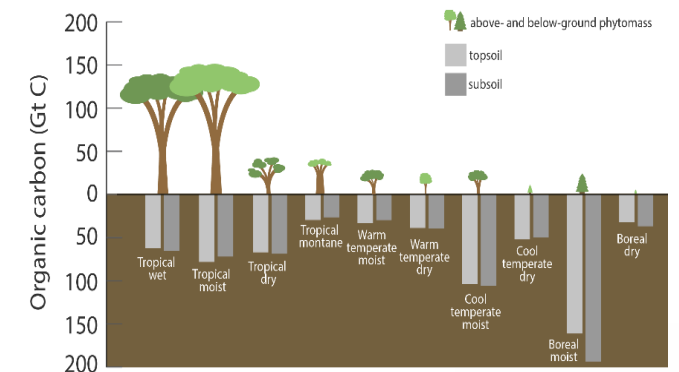
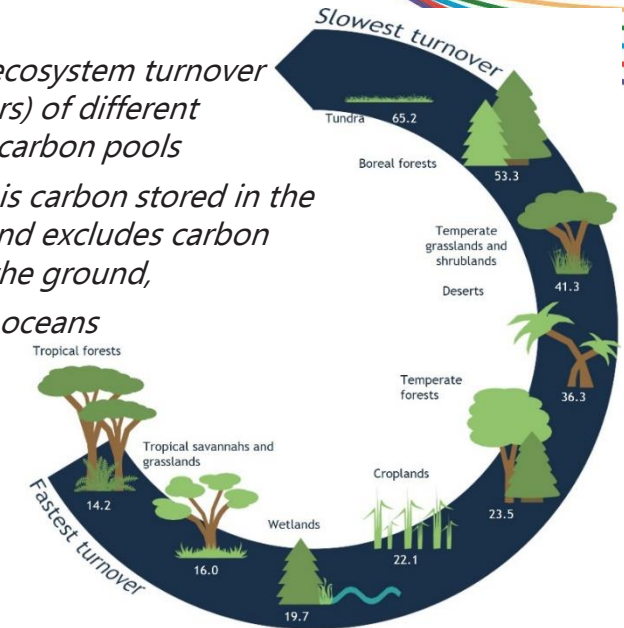
- Specialty packaging manufacturer – Australian Owned
 - Experienced team in touch with packaging trends & innovations.
 - Leading Global Packaging Expertise
- BRC Grade AA Accredited (Packaging Version 6)
- Australian Trusted Trader
- Australian Packaging Covenant Organisation Member (PREP packaging analysis access / Annual reporting & action plan)
- Project Members of the CRC Save Food Packaging Criteria Framework
- Dual ovenable specification for ready meals and hot snacks
- Round and Non-round Shapes for Composite Packs

Why do we love Fibre for Primary Packaging?

- Beneficial impact on GHG net emissions and global warming: Paperboard = 326kg CO₂e/tonne v PE/PP = 2000kg CO₂e/tonne
- Renewable resource with more effective carbon storage than other biomass options
- Biodegrades in the oceans, rivers and on land within a relatively short timeframe (typically months rather than years)
- Preferred by consumers the world over
- Exceptional visual and haptic properties for brand engagement
- Emerging technologies in aqueous barriers (moisture, grease and oxygen), plastic-free heat sealable coatings, forming and stretch options as well as nanomaterials offer unprecedented improvements in performance as well as exciting new applications

Average ecosystem turnover times (years) of different terrestrial carbon pools

Note: this is carbon stored in the biomass and excludes carbon stored in the ground, rivers and oceans



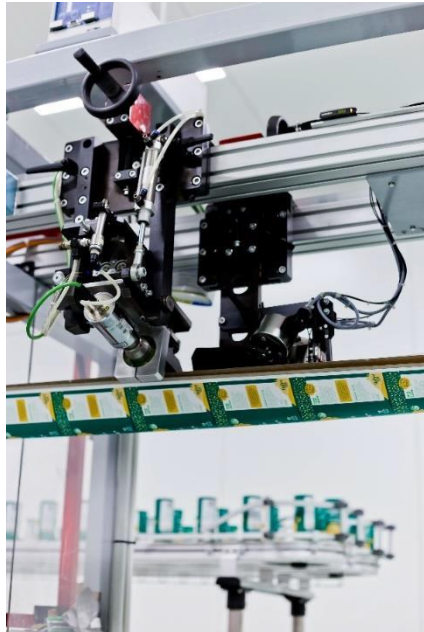
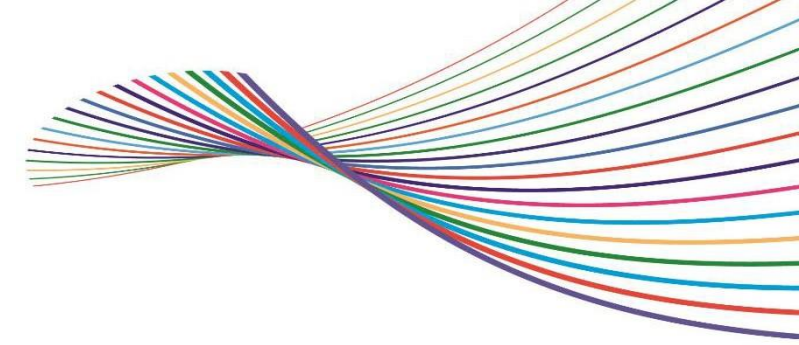
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Rigid Composite Packaging (AU Manufacture)

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Manufacturing Process

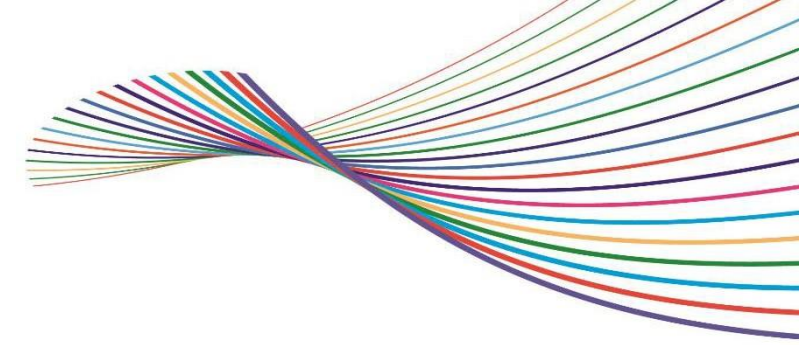


<https://youtu.be/vzLORGMoOFE>

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Tool Formats



Zipform Rigid Composite Pack 3 toolsets (73mm dia. / 99mm dia. / 401 Non-Round) with height range from 46mm to 230mm **making promotions easy**

New tools under consideration e.g. 500 non-round Tool to give >2 litre capacity, 57mm dia. & 65mm dia. for smaller capacity packs



500E Non-round

Composite Pack Print Capabilities

- Custom, high visual impact print finishes
- Print finishes - matt, gloss, matt / spot gloss, 3D embossed, metallic print, security random QR coding
- Printed Bottoms to offer more marketing space on pack
- In built anti-counterfeiting; printed layer an integral part of pack



Retailer ranged examples



Flujo – Natvia
(Woolworths, Coles & export markets)



Metro Food – Protein Powder
(Woolworths)



Pana Organic
(Woolworths)



Eco Superfoods – PranaOn
(Woolworths)



Nature's Way – SlimRight
(Woolworths)



Metro Food – Toddler Puffs
(Woolworths)

Innovations continue.....rPump



- The primary pack is supplied for filling and closing using both the reusable Connecting Neck Assembly and the Lotion Pump Assembly.
- It is also supplied with a membrane top closure or rigid paper/film closure as a refill pack.
- Note that the foil lining provides excellent barrier characteristics

Instead of 2 components (PET bottle and Pump Assembly), the Zipform Packaging solution comprises 3 components, each with it's unique contribution to delivering the required functional and circularity/sustainability attributes:

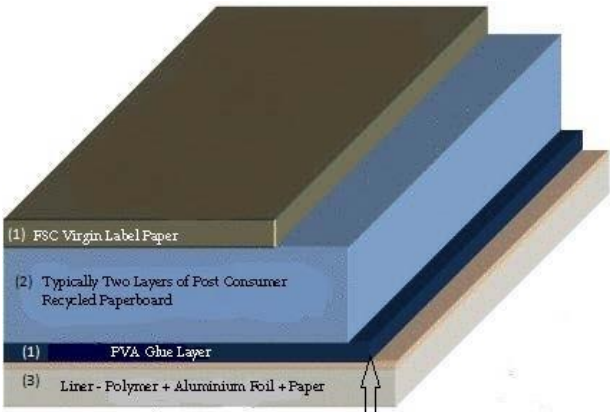
- 1) Primary Pack / Refill Pack - made predominantly from fibre and certified as recyclable using the APCO PREP Tool;
- 2) Connecting Neck Assembly – made from polypropylene (PP) or alternative rigid plastic or bio-based materials (including certified home compostable Bio-PBS). In this system, the Connecting Neck Assembly is reusable; and
- 3) Pump Assembly – as per current pack which now becomes a reusable component.



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Rigid Composite Packs

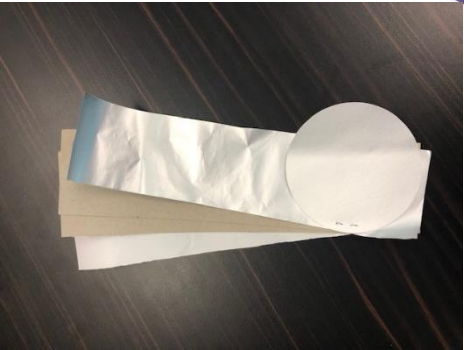


Inside of Pack

7 Layers in total, 4 Fibre Layers, one pva adhesive, one polymer and one aluminium foil

Note that the PVA glue layer breaks down readily, allowing the liner to be easily separated during the recycling process and for the fibre to be recovered without contamination

Zipform Packaging Composite Pack Composition



Material Properties		
Liner - Bottom Permeability		
Water Vapor	0.1 g/m ²	ASTM F1249
O ₂	0.1 ml/m ²	ASTM F1927

27% Virgin FSC Fibre
7% Virgin PE or Bio Plastic and Al Foil

Graphic showing Circular Economy credentials of a Zipform Packaging composite pack

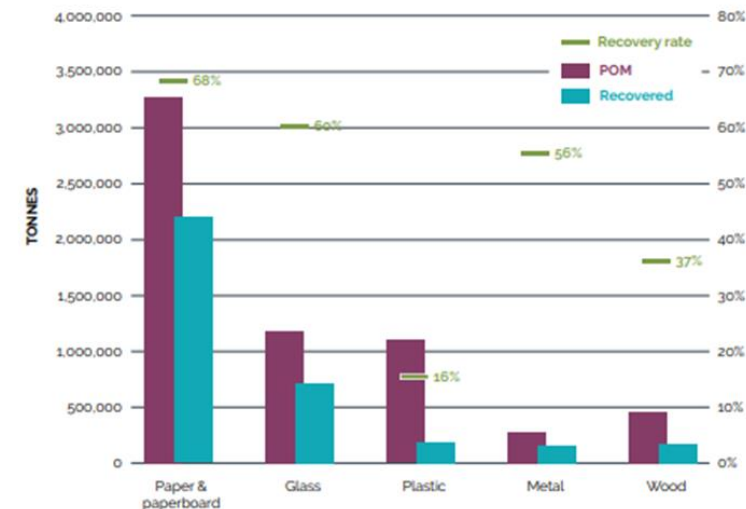


APCO 2025 National Packaging Targets

- Of all plastic material, PET has the highest likelihood of utilising recycled content @ 12% with targets of 30% by 2025. However, with recycled content of plastics overall @ 2% it is by far the worst performing material
- **Our composite packs already have > 60% recycled content i.e. already exceeding 2025 target.**
- **Paper & paperboard recycling rates are the highest of all materials at 68% v Plastics 16%**
- **Our pack is deemed curbside recyclable via PREP tool allowing APCO members to assign a positive ARL**



MATERIAL TYPE	CURRENT RECYCLED CONTENT RATE	2025 TARGETS
ALL PACKAGING	35%	50%
PLASTICS	2%	20%
PET	12%	30%
HDPE	2%	20%
PP	3%	20%
FLEXIBLE PLASTICS	UNKNOWN	10%
PAPER	49%	60%
METALS	30%	35%
GLASS	32%	50%



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Specialty Paperboard Solutions (Imported)

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Specialty Paperboard Solutions



Extensive Supplier Network

Specialty paperboard materials available

- High barrier
- Ovenable Specifications
- Alternate coating (PP/PE)

Manufacturing Partnerships

European & Asian manufacturing base for cost and quality assurance

Finishing

6 colour + varnish + foil available

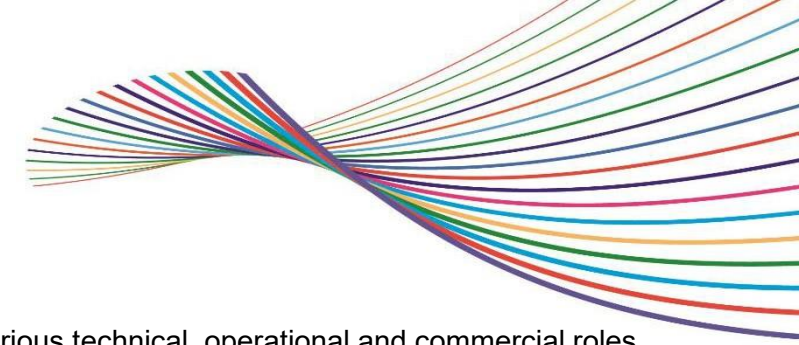
Sealing

Rim rolled for induction on conduction sealing

Sustainability

- FSC Certified Sources
- Curbside recyclable

Key Personnel – Packaging Pedigree



John Bigley – CEO

- Over 36 years' experience in the packaging industry in various technical, operational and commercial roles
- Moved from Europe in 2011 to lead a 200 million AUD Australasian metal packaging business and joined Zipform Packaging in April 2018; previously MD at Ardagh ANZ / Jamestrong Packaging supplying metal foodcans (Kraft Heinz), infant formula cans (Synlait, TMI, Saputo) and aerosol cans (Unilever).



David Kilpatrick – Technical, Innovation and Quality Director

- Founded SOTA Packaging in 2010, rebranding as Zipform Packaging in 2018.
- Held senior management positions with a range of businesses in the dairy and retail food services sector.
- Prior to founding SOTA Packaging in 2010, was the Managing Director of Dyson's Packaging.



Eddy Pahor – Commercial Director

- 20 years experience in the packaging industry and over 30 years in sales and business development.
- Held senior Key Account and Business Development roles in manufacturing businesses for 25 years before co-founding SOTA Packaging in 2010.



Nick Payne – Business Development & Marketing Manager

- Over 12 year's experience in the packaging industry with a specific focus on FMCG packaging solutions
- Particular knowledge in fresh food packaging applications including dairy, produce and protein.

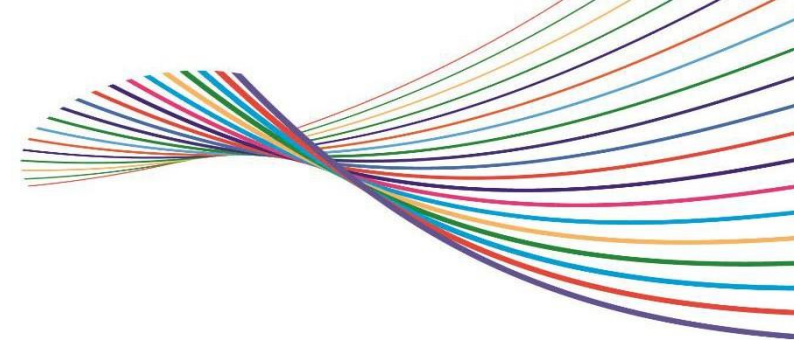


Peter Boundy – Business Development and Applications Manager

- Over 20 year's experience in the packaging industry,
- Particular knowledge in finding packaging and packaging processing solutions for the Australasian FMCG market
- Expert knowledge of packaging capital equipment and hands-on installations.

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