



# PAPER PACKAGING, THE NATURAL CHOICE

Well-designed, efficiently produced, appropriately used and responsibly disposed-of packaging provides multiple benefits. It is essential to prevent product damage and can help extend a product's life. It helps improve efficiency in the supply chain and provides safe and convenient access to goods. Packaging communicates vital information to the customer whilst providing a great 'unboxing experience' to those receiving gifts or luxury items. However, poor material choices are damaging to both brands and the planet.

## The impact on the environment caused by discarded man-made materials has reached critical levels.

There is now a greater need than ever for packaging to be sustainable throughout its life cycle. Packaging should incorporate eco-design at its inception, use responsibly sourced raw materials, and be manufactured using efficient processes that are driven by renewable energy. Packaging should be re-used or recycled wherever possible, then sent to the most appropriate end-of-life solution, such as incineration for energy generation or composting.

Paper packaging is part of the solution. Paper packaging is made from wood fibre, a natural and renewable material that is highly recycled.

## The sustainable choice.

The key raw material for making paper packaging is cellulose fibre from trees, a natural and renewable and is a highly recycled raw material.

Virgin fibre is sourced from sustainably managed forests. In Australia and New Zealand, paper comes from managed regrowth forests or planted forests where the cycle of planting, growing and harvesting is carefully controlled. Australia alone has two million hectares of plantation forests and growing.<sup>1</sup>

“ In 2018, the Australian paper and cardboard recycling rate was 63% - the highest of any packaging material. ”

Australian Packaging Consumption & Recycling Data, 2018.

Paper and cardboard is the most recycled packaging material in Australia. In 2018, 63% of all paper and cardboard was recycled, outperforming metallic packaging (56%), glass packaging (45%) and far exceeding that of plastic packaging (18%).<sup>2</sup>

In 2018-2019, 44.8% of fibre used in Australia for paper and paperboard is supplied by recycled fibre.<sup>3</sup> Laboratory experiments have shown fibre can be recycled up to 25 times.<sup>4</sup> Developing efficiencies in recycling processes, improving collection systems and increasing consumer action may one day help realise this potential.

“ The Australian packaging industry aims to achieve a 50% average of recycled content in packaging by 2025. ”

Australian Packaging Covenant Organisation.

## Product protection.

Packaging plays an essential role in minimising damage and extending a product's life. Without appropriate packaging, there would be a greater risk of the resources used to make the product being wasted.

The global pandemic had a huge impact on how consumers shop and how brands and retailers sell products. As consumers increasingly moved to online shopping, for groceries to high-end luxury items, the demand for transit packaging increased significantly. Worldwide e-commerce sales grew 16% in 2020 and this growth is expected to increase to 22% per annum by 2023.<sup>5</sup>

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There are many different types of paper packaging, circular by nature, used and suitable for both product and transit packaging. Examples include:

- **Corrugated Boxes** – Often referred to as brown boxes, are typically used for protection in the bulk movement of goods. A corrugated box is a multi-layered paper product which has unrivalled strength to weight ratio, making it extremely resource efficient and beneficial from a logistics (weight) perspective. 89% of corrugated packaging is derived from recycled content<sup>6</sup>, providing a sustainable use for recovered paper in the paper cycle.
- **Cartonboard Boxes** – Manufactured from what is known as folding boxboard (FBB), cartonboard boxes are versatile and widely used to contain and protect products such as: cereals, medicines, confectionary to high-end luxury items such as perfume and whiskey boxes. Cartonboard boxes offer an excellent combination of product protection, lightweight construction and a great print surface.
- **Beverage Cartons** – Versatile, multi-layered construction can be used to pack a wide array of liquids. The biggest market for cartons are; food (soups) and beverages (milk and juices), but recent moves by retailers and brand owners to eliminate unnecessary single-use packaging has seen the format used to package other home care liquids such as detergents.
- **Dry Food and Pet Food Bags** – Brand owners and retailers have been packaging dry foods in uncoated mono- material “block bottom” paper bags for decades. Despite the simplicity of this packaging there are several reasons these bags remain important. These bags are strong, easy and fast to fill, stackable on pallets, fully recyclable (containing no plastic), fully biodegradable, economical and attractive.
- **Paper E-Commerce Mailing Bags** – An alternative to Polybags made from LDPE (derived from oil, a fossil fuel). The paper alternative has significant environmental

benefits. Made from renewable material, recyclable through normal municipal waste collections and biodegradable. An LCA study published in 2020 concluded that the carbon footprint of a virgin paper mailing bag was significantly lower than plastic-based alternatives.<sup>7</sup>

- **Industrial Paper Sacks** – Strong and durable, allowing for weights of up to 25kg to be packaged safely. Paper grades, made specifically for this purpose, use long and strong wood fibre. Typically virgin fibre, which can be recycled, the paper quality and sack construction combine to give the high strength and strong tear resistance required.

#### Preferred by consumers.

Using sustainable packaging helps brands positively connect with consumers.

A 2020 survey found that consumers are adapting their purchasing behaviours to reflect shifting environmental preferences. 70% of consumers are actively taking steps to reduce their use of plastic packaging. Nearly half (48%) of consumers would even avoid retailers that are not actively trying to reduce their use of non-recyclable packaging.<sup>8</sup> In another recent study, 43% of Australian consumers said they would pay more for a product if it came in more sustainable packaging.<sup>9</sup>

Paper packaging is made from renewable materials. It is durable, attractive, recyclable and biodegradable. It is an essential component of the circular economy.

#### Sources

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