

Environmental Product Declaration Summary for Purex Toilet Tissue

For the full EPD please visit <http://environdec.com/en/Detail/epd852>



Purex was born in 1955. Founded on Kiwi ingenuity and harnessing the local Kawarau resources, Purex was the first New Zealand toilet roll that was both soft and strong, helping to make life a little more comfortable for all New Zealand families.

Purex grew to be loved and trusted in homes across New Zealand and has been the No.1 choice for them for many years. Today, true to our values, we endeavour to tiptoe on the environment, nurturing and protecting our world for today and tomorrow's generations.

Environmental Product Declaration (EPD)

An Environmental Product Declaration, or EPD, is a standardised and verified way of quantifying the environmental impacts of a product based on a consistent set of rules known as a PCR (Product Category Rules). Environmental Product Declarations within the same product category from different EPD programmes may not be comparable.

Products covered by this EPD

All products in this EPD are covered by the following industry classifications: ANZSIC v1.0 C152400 "Sanitary Paper Product Manufacturing" and UN CPC v2 32131 "Toilet or facial tissue stock, towel or napkin stock and similar paper, cellulose wadding and webs of cellulose fibres".



Purex Toilet Roll (12 Pack)

- Two ply, white toilet
- FSC Mix 70% certified
- Dimensions: 9.9 cm wide x 22.0 m long (200 sheets)
- Net weight per roll: 75 g
- Article: 2294521
- Also available in 4s, 18s, 24s and Décor print

Made with 72.8% renewable energy



Purex Mega Toilet Roll (4 Pack)

- Two ply, white toilet tissue
- FSC Mix 70% certified
- Dimensions: 9.9 cm wide x 49.5 m long (450 sheets)
- Net weight per roll: 168 g
- Article: 2302644
- Also available in 6s (below), 12s and Décor print

Made with 73.2% renewable energy



Purex Mega Toilet Roll (6 Pack)

- Two ply, white toilet tissue
- FSC Mix 70% certified
- Dimensions: 9.9 cm wide x 49.5 m long (450 sheets)
- Net weight per roll: 168 g
- Article: 2309198
- Also available in 4s (above), 12s and Décor print

Made with 73.2% renewable energy

Sustainability – a core part of how we do business

Sustainability is built into our Tork, Sorbent and Purex toilet tissue products from the start:

We begin with 100% responsibly-sourced, non-controversial pulp. Our pulp is sourced from socially and environmentally sustainable forests in line with Forest Stewardship Council® (FSC®) standards, helping protect forests for present and future generations. The pulp that enters our Kawerau paper machines is from 100% FSC certified sources, with a maximum of 30% FSC Controlled Wood sources.

We then manufacture paper locally, using a large share of renewable energy. We are proud to manufacture the products in this Environmental Product Declaration in Kawerau, New Zealand. Our Kawerau operation is certified to ISO 9001, ISO 14001, AS/NZS 4801:2001 and FSC Chain of Custody. In 2010, we replaced most of our natural gas consumption with geothermal steam in an ongoing partnership with Ngāti Tūwharetoa Geothermal Assets. In addition, our site's electricity comes from the New Zealand grid, comprised of 80% renewable energy in 2014 (MBIE 2015). Consequently, since 2009 we have more than halved the greenhouse gas emissions generated from our operation at Kawerau.

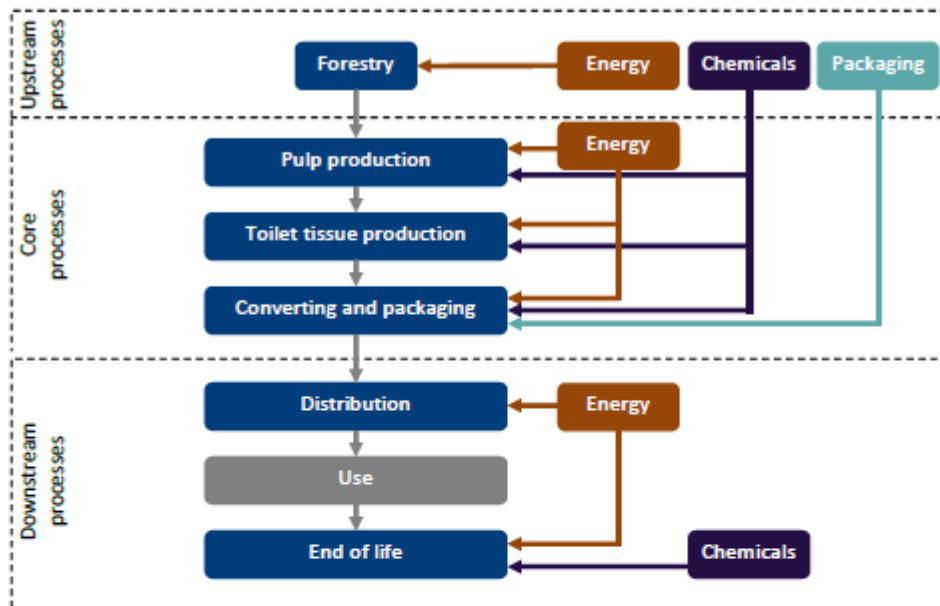
We focus on continuous improvement and at Kawerau we have reduced energy consumption by 20% since 2005 and water consumption by 14% since 2010 for every tonne of tissue paper we produce.

This EPD helps to demonstrate Asaleo Care's commitment to sustainability and complements our work with eco-label organisations such as FSC and Environmental Choice New Zealand.



Asaleo Care Paper Mill
Kawerau, New Zealand

Life cycle of toilet tissue products



This EPD covers the full life cycle of toilet tissue from cradle-to-grave.

The life cycle starts with (1) forestry to grow wood fibre, (2) production of the chemicals needed to make paper from wood fibre, (3) production of packaging materials, and (4) production of energy for these process steps. These are the upstream processes.

Wood chips/residues, chemicals and fuels are transported to pulp mills, where wood pulp is made from wood fibre. This pulp is then transported to Asaleo Care's paper mill where it is formed into paper, cut to size ('converted'), packaged and then warehoused. These steps also require energy to be produced, and for both solid waste and wastewater to be treated. These are the core processes.

Finally, packaged toilet tissue is transported to customers. As the use of a toilet tissue has no direct environmental impacts, use is not included in this EPD. The final step is end-of-life, where the toilet tissue goes to a wastewater treatment facility and the packaging waste is disposed. These are the downstream processes.

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EPD registration and verification

Declaration owner: Asaleo Care Ltd

EPD produced by: thinkstep Pty Ltd

EPD programme operator: The Australian EPD® Programme Ltd

Product Category Rules (PCR): PCR 2011:05 Tissue Products, version 2.0, 2015 – 10-01

Third party verifier: Andrew D Moore, Life Cycle Logic

Accredited or approved by: The Australian EPD® Programme Ltd