Manufacturing of sustainable packaging

Dartpac is a manufacturer of sustainable packaging for the beverage industry, focussing on the coffee industry. Dartpac operates a multi-operation manufacturing facility with distribution facilities in Cape Town, Gqeberha, KwaZulu-Natal, Gauteng, and Bloemfontein.
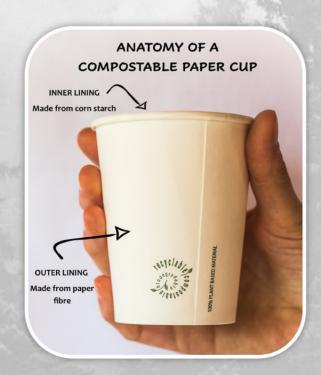
CUP CARRIER

Dartpac manufactures moulded fibre two and four cup carriers using an in-mould drying manufacturing process. The raw material for this product is waste newspaper, waste corrugated carton and in-house paper cup waste.

COMPOSTABLE PAPER CUPS

Dartpac led the way by being the first paper cup manufacturer to produce compostable paper cups in South Africa, using corn starch coated board (PLA coated). Today 85% of our total cup production is in compostable paper cups.

ANATOMY OF A COMPOSTABLE PAPER CUP

INNER LINING
Made from corn starch

OUTER LINING
Made from paper fibre

100% PLANT BASED MATERIAL

MOULDED FIBRE SIP LIDS

Dartpac has developed, designed and manufacture the moulded fibre sip lid in South Africa. This product is a leading-edge development on a worldwide scale and is a true replacement of the single-use plastic lid. All the equipment used in the manufacturing process is developed, designed, and manufactured in South Africa.

All this results in a fully compostable packaging solution for the coffee industry. Compostable carrier, compostable cup and compostable lid.

Paper cup fibre is extremely valuable and with the demand for more fibre products being driven by the move away from plastic, it makes sense to recover this fibre for reuse.

So where to from here...

The Extended Producer Responsibility legislation that was promulgated in May 2020 and takes effect in November 2021, means that every manufacturer of paper cups and every brand owner of paper cups is responsible and liable for the paper cup waste in the environment.

Dartpac has managed to achieve this on a small-scale basis and will be looking to roll out this technology, systems, and methods in the near future with its customer base.

Please feel free to discuss with Edwin Nicholas, Director of Dartpac on edwin@dartpac.co.za