INSIDE ECOCOOL

Engineered from cardboard. Designed for protection.

A durable outer paper liner encapsulates a compressed, bound paper-fibre core. This structure combines cushioning protection with thermal insulation.

EcoCool® by Hydropac®

Sustainable thermal protection, redefined.

EcoCool is a high-performance, kerbside recyclable insulating liner, designed and developed by Hydropac. Manufactured using clean, **never-before recycled** corrugated trim waste and off-cuts, it delivers excellent thermal protection while keeping materials in the circular economy.





Innovative insulating core

Uniquely engineered from compressed and bound cardboard offcuts, to form a cushioning protective, insulating thermal liner.



Sustainable Engineering at it's best

Cushioning protective and super insulated liner system with performance stats comparable to EPS and Wool.



Durable outer liner

Tough, moisture-resistant kraft paper provides strength and durability for the rigours of the cold chain, while remaining fully kerbside recyclable.

100% KERBSIDE RECYCLABLE

100% kerbside recyclable

Manufactured from clean, never-before recycled corrugated waste, EcoCool can be disposed of alongside standard household cardboard packaging.

PERFORMANCE & FIT

01 THERMAL SYSTEM

Compressed and debris-free paper liner system, designed to keep your products refrigerated for a minimum 48hrs.

02 PHYSICAL PROTECTION

Cushioning and shock absorbing protection, in a foam-like liner. No loosely-filled dusty fibres or debris to worry about.

03 END OF LIFE

Complete system (Box and Liners) are 100% Kerbside recyclable, no question!

04 SYSTEM COMPATIBILITY

10", 12" and 14" cubed box systems work with Hydropac coolant including HydroPure.

TECHNICAL SPECIFICATION

Material	Encapsulated paper-fibre liner	**Recycled content**	96% min
Primary function	Thermal insulation + cushioning	**Test example**	48h: ≤8°C product skin
Box sizes	10 / 12 / 14 inch cubed box systems	**Food safety**	BRCGS A++ certified raw material
Coolant	Required; to be advised dependant on payload	**Production**	Dry process; renewable electricity
End of life	Designed for kerbside recycling	**Design**	Patented

Performance shown is one laboratory test configuration; actual results depend on payload, route and ambient conditions.

LET'S BUILD YOUR COLD-CHAIN SYSTEM, TOGETHER!

sales@hydropac.co.uk | 01494 530182 | hydropac.co.uk

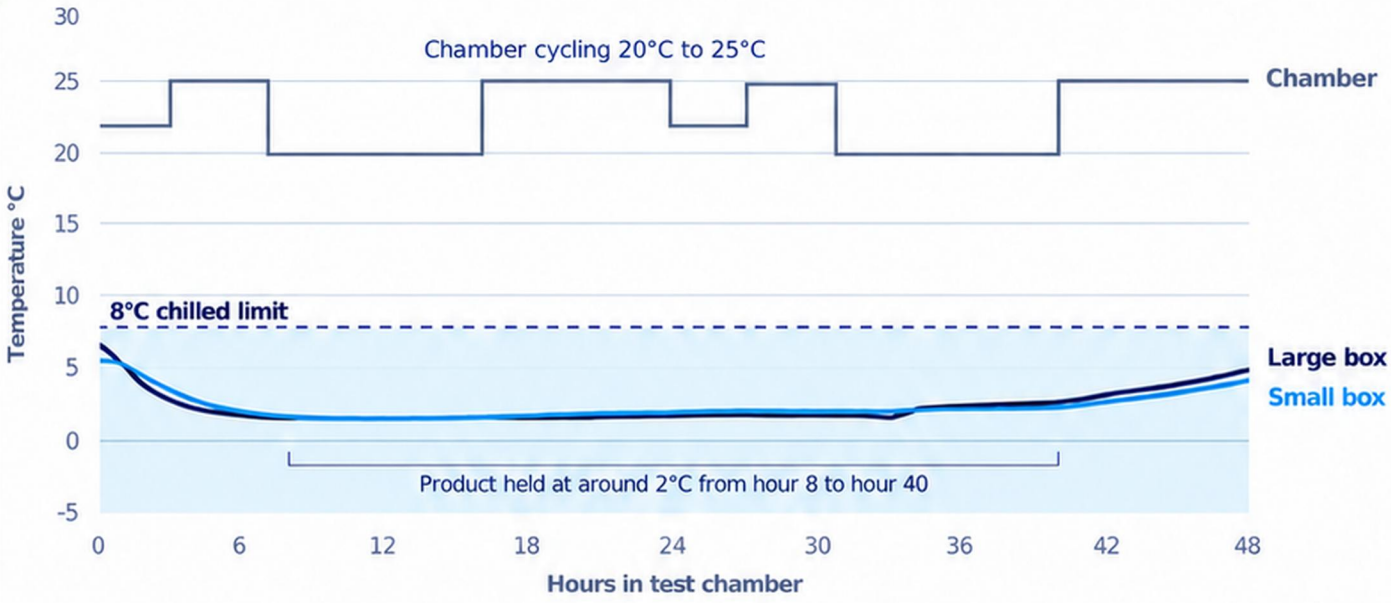
CHAMBER TEST / 48 HOURS

Cold-chain performance, demonstrated.

Product skin temperature remained below 8°C throughout a 48-hour laboratory chamber test, with ambient cycling between 20°C and 25°C.

DURATION	PRODUCT SKIN	AMBIENT
48 hours	Below 8°C	20-25°C

LABORATORY CHAMBER PROFILE



TEST CONFIGURATION

Environmental Test Chamber	Cycling approximately 20°C to 25°C for 48 hours
Box Sizes	10", 12" and 14" Cubed Systems 10" Cubed internal usable dims: 214 x 214 x 214 mm 12" Cubed internal usable dims: 265 x 265 x 265 mm 14" Cubed internal usable dims: 315 x 315 x 315 mm
Payload Tested	Large box: 11 × 500 g minced meat, chilled at +4°C for 24h
Coolant Used in Test	Large box: 4 × 850 g ice packs, frozen at −22°C for 24h
System of Measurement	Product skin temperature probe
Result	Below 8°C throughout; approximately 2°C from hour 8–40

One laboratory test under defined conditions; performance depends on coolant, payload, pack-out design, ambient conditions and distribution route.