

kg Recycled aggregate

Recycled aggregate is a cheap and readily available product made from recycled construction materials. It is strong and durable with excellent drainage properties.

It is typically comprised of concrete, stone, brick, ceramics, mortar and other common construction materials. It is produced using the waste materials collected from the demolition of building and infrastructure projects. Impurities such as metal, wood and timber are removed via magnets and other sorting techniques. The remaining materials are sorted by size, and crushed into a coarse aggregate.

Recycled aggregate is becoming increasingly popular as a replacement for natural aggregates. It is commonly used for: bulk fill, road construction, gravel, and as an aggregate in concrete. When used in concrete, it is typically combined with fly ash or other additives to ensure improved strength and reliability.

Category Sand, stone and ceramics

Type Other minerals

Functional unit kg

Specific heat 837 J/(kg·K)

Density 1 320 kg/m³

Common uses

Landscaping, bulk fill, material additive

Process name

Recycled aggregate, at plant/ AU U

Input-output sector

Waste Collection, Treatment and Disposal Services

Further information

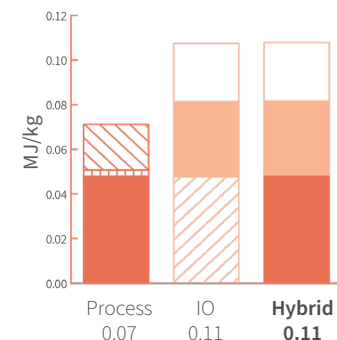
doi.org/10.26188/5da557263ad43

TOP THREE INPUTS

1.6% Road Transport

1.3% Auxiliary Finance and Insurance Services

1.0% Wholesale Trade



ENERGY

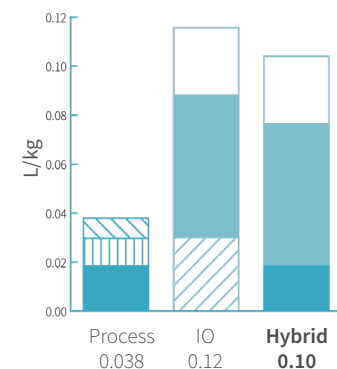
0.11 MJ/kg

TOP THREE INPUTS

3.6% Employment, Travel Agency and Other Administrative Services

2.3% Auxiliary Finance and Insurance Services

2.1% Dairy Product Manufacturing



WATER

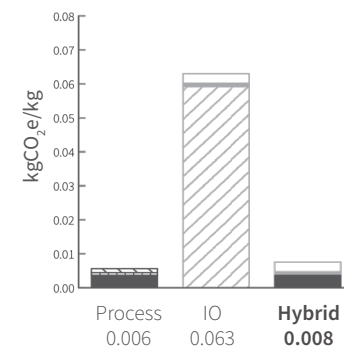
0.10 L/kg

TOP THREE INPUTS

0.6% Road Transport

0.5% Auxiliary Finance and Insurance Services

0.4% Employment, Travel Agency and Other Administrative Services



GREENHOUSE GAS EMISSIONS

0.008 kgCO₂e/kg