

kg Concrete roof tile

Concrete roof tiles are a roof cladding material manufactured from concrete. A concrete mix, containing sand, cement and water is extruded into moulds and kiln dried for a number of hours. Concrete roof tiles come in a range of colours and profiles with a typical weight of around 5 kg per tile and an average thickness of around 20 mm. A range of capping tiles are also available for ridges and other roofing junctions.

They are installed using clips attached to timber or steel roof battens and overlap to ensure no water ingress into a building. Concrete roof tiles are typically used in domestic construction where the roof pitch is at least 15 degrees.

Category Concrete and plaster products

Type Concrete

Functional unit kg

Specific heat 837 J/(kg·K)

Density 2 100 kg/m³

Common uses

Roof cladding

Process name

Concrete roof tile, at plant/CH U/
AusSD U

Input-output sector

Plaster and Concrete Product
Manufacturing

Further information

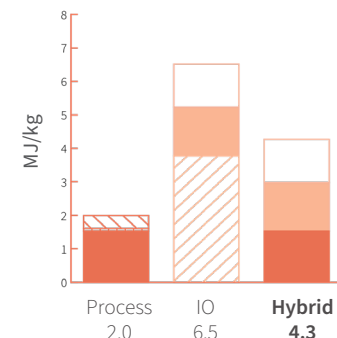
doi.org/10.26188/5da552f96c488

TOP THREE INPUTS

12.9% Acrylic dispersion, 65% in H₂O, at plant/RER U/
AusSD U

6.8% Road Transport

6.2% Structural Metal Product
Manufacturing



ENERGY

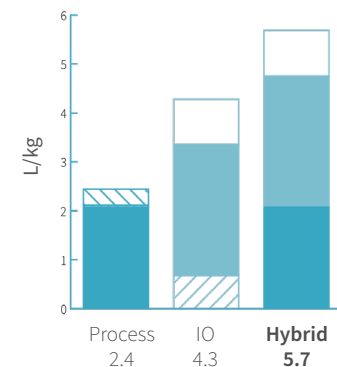


TOP THREE INPUTS

17.0% Sand, at mine/CH U/
AusSD U

15.8% Acrylic dispersion, 65% in H₂O, at plant/RER U/
AusSD U

8.0% Tanned Leather, Dressed
Fur and Leather Product
Manufacturing



WATER

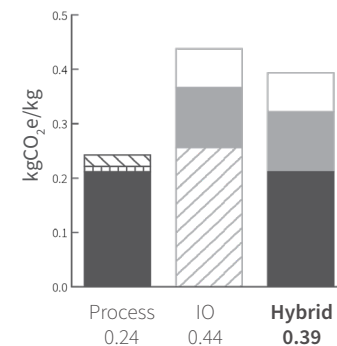


TOP THREE INPUTS

7.5% Acrylic dispersion, 65% in H₂O, at plant/RER U/
AusSD U

4.8% Structural Metal Product
Manufacturing

2.6% Oil and gas extraction



GREENHOUSE GAS EMISSIONS

