

kg Dimension stone

Dimension stone is the common term used for finished blocks or slabs of stone used in construction. There are a variety of rock types used to create dimension stone, including: marble, granite, slate, travertine and others. These have different properties, and can vary in strength, hardness, durability, texture, colour, size and cost.

Dimension stone is mined from quarries, using precision saws, burners and blasting. Slabs are then graded, cut to size, and finished using a variety of techniques, including: sandblasting, polishing, honing, and saw cutting; each technique providing a different finish and texture. Resin can be used to fill imperfections in the stone.

Dimension stones are commonly used for bathroom vanities, countertops, flooring and cladding. Granite is used for external and flooring applications due to its hardness, and ability to withstand weathering. Marble and travertine is commonly used for benchtops and interior applications.

Category Sand, stone and ceramics

Type Other minerals

Functional unit kg

Specific heat 837 J/(kg·K)

Density 2 243 kg/m³

Common uses

Countertops, flooring, walling, cladding, interior decorations

Process name

Natural stone plate, cut, at regional storage/CH U/AusSD U

Input-output sector

Non Metallic Mineral Mining

Further information

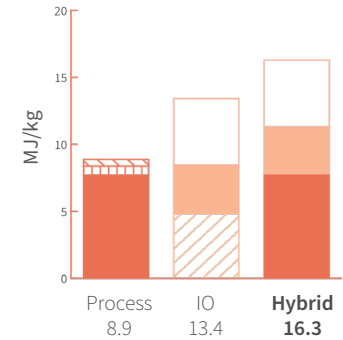
doi.org/10.26188/5da553562c7fa

TOP THREE INPUTS

7.1% Diesel, burned in building machine/GLO U/AusSD U

3.1% Exploration and Mining Support Services

0.9% Road Transport



ENERGY

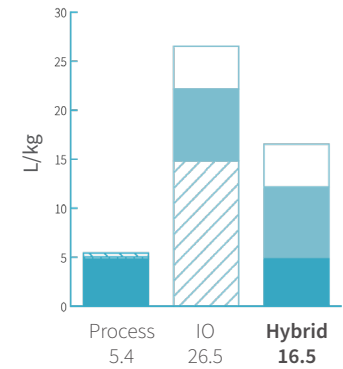
16.3
MJ/kg

TOP THREE INPUTS

5.3% Exploration and Mining Support Services

1.9% Agriculture, Forestry and Fishing Support Services

1.3% Electricity Transmission, Distribution, On Selling and Electricity Market Operation



WATER

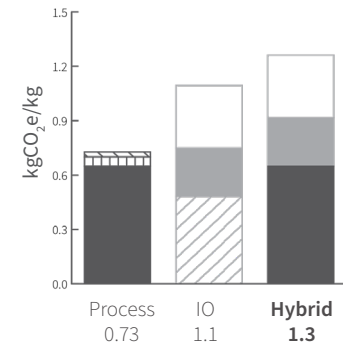
16.5
L/kg

TOP THREE INPUTS

7.0% Diesel, burned in building machine/GLO U/AusSD U

5.5% Exploration and Mining Support Services

2.1% Coal mining



GREENHOUSE GAS EMISSIONS

1.3
kgCO₂e/kg