

Reduce Your Carbon Footprint

Calculation to compare the advantages of using SureCav in cavity construction
(Cradle to factory gate calculations)

SureCav (Virgin Polypropylene sheet using injection moulding)		Dense Aggregate Concrete Block	
(ECO2) kgCO ₂ /kg	3.9	(ECO2) kgCO ₂ /m ³	147
(ECO2) kgCO ₂ /tonne	3900	(ECO2) kgCO ₂ /tonne	75

<http://www.bath.ac.uk/mech-eng/sert/embodied/>

http://sustainableconcrete.org.uk/PDF/Table%20-%20Embodied%20CO2_version%201.1.pdf

For a typical build:

185 sheets SureCav @ 1.12kg/sheet.

185 x 1.12 = 207.2 kg (0.2072 tonnes)

20 tonnes standard dense blocks

Tonnes x (kgCO₂/tonne)

0.2072 x 3900

Tonnes x (kgCO₂/tonne)

20 x 75

808 kgCO₂

1500 kgCO₂

SureCav nearly halves the carbon footprint in standard cavity wall construction compared to using concrete backing blocks.

SurCav is now produced using 100% recycled polypropylene which further reduces the CO₂ production compared with virgin materials.

For example, did you know....?

684,000 tonnes of CO₂ emissions were saved by recycling the UK's plastics in 2006, the equivalent of taking more than 216,000 cars off the road

A 100% recycled bin-liner uses only 1/3 of the energy to produce, from cradle to grave, of a bag of equivalent properties made from virgin materials and has a carbon footprint which is 35% lower. ('Environmental Facts', British Polythene Industries PLC)

See the "British Plastic Federation" (www.bpf.co.uk) for interesting facts about the benefits of using recycled plastic products

Make SureCav Your Preferred Method in the Construction of Cavity Walls