



# Commercial Carbon Footprints

[www.marshalls.co.uk/carbon](http://www.marshalls.co.uk/carbon)





**reducing with  
the Carbon Trust**



**carbon-label.com**

The carbon footprint of this product is the total carbon dioxide (CO<sub>2</sub>) and other greenhouse gases emitted during its life, including production, use and disposal.

We have committed to reduce this carbon footprint.

# Commercial Carbon Footprints

Marshalls' pioneering approach to sustainability is well known throughout the construction industry and we are proud to be members of the UN Global Compact; the Ethical Trading Initiative and FSTE 4 Good.

We have consistently won awards for our sustainability work which includes: - Business Commitment to the Environment (BCE) - Environmental Leadership and Business in the Community (BITC) - for Excellence, in the Climate Change, Eco Efficiency and Supply Chain categories.

We are pleased to be able to extend our expertise even further and have now completed the carbon labelling of 1568\* commercial products in accordance with Publicly Available Specification (PAS) 2050. As ever, Marshalls has proven the values stated through 3rd party verification, in this case by the Carbon Trust's Carbon Trust Footprinting Company.

This book is designed to give specifiers and users of our products the tools to be able to calculate a Carbon Footprint for the hard landscaping products used in their scheme. An industry first that enables clients to understand the impact of the scheme and be assured that when working with Marshalls they are working with a partner clearly committed to both understanding and reducing its environmental impact.

*\* 1568 products have been independently calculated and verified, the following tables in this book summarise the products removing colour variants.*

## Project footprints

To quickly calculate your project's hard landscape carbon footprint visit

[www.marshalls.co.uk/carbon](http://www.marshalls.co.uk/carbon)

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# Climate Change and Carbon Footprints

There is no doubt that climate change is now one of the major pressing concerns for present and future generations.

Affecting businesses, communities and whole economies, climate change is leading the environmental agenda and forcing public and private companies alike to take sustainability seriously – including the construction and development industry.

Since 1900, the average temperature on the planet has increased by 0.74° Celsius and the sea level around the UK has risen by about 10cm.

Eleven of the 12 hottest years on record occurred between 1995 and 2006.

Since rain records began in 1766, the amount of winter rainfall in England and Wales has risen. Over the last 45 years it has also become heavier. In 2000, UK flooding was the worst for 270 years in some areas. Flood damage now costs Britain about £1 billion a year.

Source: Directgov.co.uk

From the Green Guide to BREEAM's environmental assessment for buildings, it's clear that the industry bodies are developing measures for sustainable development and environmental impact. Now with tighter legislation and commercial pressure among the key factors driving the industry, there's never been a better time to become more sustainability aware and better equipped.

Last year, the Government announced its commitment to reduce carbon emissions to at least 80% of 1990 levels by 2050. Many organisations made a pledge to join the government and are now committed to reducing their carbon impact.

At Marshalls, we're all too aware that our operations contribute to man-made climate change as detailed by the Inter-Government Panel on Climate Change. That's why, as part of our overall sustainability programme, we've carbon labelled our commercial products and committed to reducing each value over time.



## What is a carbon footprint?

A carbon footprint is the sum of the carbon dioxide and other greenhouse gases created by a single unit of product during its life from raw material extraction, production, through the supply chain, to use and disposal.

## PAS2050 Methodology

Marshalls announced its partnership with the Carbon Trust's Carbon Trust Footprinting Company in 2007 to develop carbon labels for its domestic and commercial products.

All the data compiled by Marshalls for the carbon labelling process has been measured in compliance with PAS 2050 method for footprinting that has been developed by BSI British Standards, the Carbon Trust and Defra. By being one of 13 pilot partners for the carbon labelling project, Marshalls helped shape PAS 2050 methodology by testing, fine tuning and proving the effectiveness of the standard.

# Carbon Labelling Made Easy

Understanding carbon labels is easy. It's all based on having the ability to make a comparison and give you the opportunity to make your product choices based on comparable data.

The label looks at the entire product cycle and shows the amount of carbon dioxide equivalent (greenhouse gases) emitted from extracting and processing raw materials, manufacturing, distributing, and then disposing of these products.

Every one of Marshalls' 1,568\* commercial hard landscaping products have been carbon labelled. This manual lists a large range of paving, walling and drainage products so now it's even easier to compare our products and choose the one that's right for your scheme.

As part of Marshalls' commitment to carbon labelling, we are also required to work towards reducing the carbon footprints of our products over a two year period – so you'll know that any company using the Carbon Trust's Carbon Footprint Label is truly committed to reducing the carbon impact of the products they label.



\*1568 products have been independently calculated and verified, the following tables in this book summarise the products removing colour variants.

## reducing with the Carbon Trust



[carbon-label.com](http://carbon-label.com)

The carbon footprint of this product is the total carbon dioxide (CO<sub>2</sub>) and other greenhouse gases emitted during its life, including production, use and disposal.

We have committed to reduce this carbon footprint.

### The Carbon Label explained

This label shows that the footprint has been measured in compliance with the now published PAS 2050:2008 specification for the assessment of the life cycle greenhouse gas emissions of goods and services and the Carbon Trust's Comparability Rules and Secondary Data, which allows the figures to be fully comparable. The specification was developed by the Carbon Trust, Defra and BSI British Standards.

#### 17kg

This is the amount of all greenhouse gases emitted during the product's lifecycle displayed in grammes, kilogrammes or tonnes. In other words, the weight of the carbon footprint. This is also the figure that companies are committed to reducing within two years.

#### CO<sub>2</sub>

This represents all greenhouse gas emissions associated with the product or service expressed as CO<sub>2</sub> (carbon dioxide) for simplicity.

#### Per m<sup>2</sup>

This shows what the carbon footprint measure relates to.

Product Family	Product Type (All sizes quoted in mm nom.)	Rounded Footprint	Units
Arbury	450x450x70	20	kgCO2e / m2
Arbury	450x675x50	16	kgCO2e / m2
Charnwood	300x300x60 Trafica	22	kgCO2e / m2
Charnwood	400x400x65 Trafica	24	kgCO2e / m2
Charnwood	450x450x50	18	kgCO2e / m2
Charnwood	450x450x70 Trafica	26	kgCO2e / m2
Charnwood	600x600x50	18	kgCO2e / m2
Charnwood	600x600x63	22	kgCO2e / m2
Charnwood	900x600x50	18	kgCO2e / m2
Conservation Setts	100x100	50	kgCO2e / m2
Conservation Setts	100x150	50	kgCO2e / m2
Conservation Setts	150x150	50	kgCO2e / m2
Conservation Smooth Ground	300x300x60 Trafica	50	kgCO2e / m2
Conservation Smooth Ground	400x400x65 Trafica	60	kgCO2e / m2
Conservation Smooth Ground	450x300x50	40	kgCO2e / m2
Conservation Smooth Ground	450x450x50	40	kgCO2e / m2
Conservation Smooth Ground	450x450x70 Trafica	55	kgCO2e / m2
Conservation Smooth Ground	600x600x50	38	kgCO2e / m2
Conservation Smooth Ground	900x300x50	40	kgCO2e / m2
Conservation Textured	300x300x60 Trafica	28	kgCO2e / m2
Conservation Textured	400x400x50	22	kgCO2e / m2
Conservation Textured	400x400x65 Trafica	28	kgCO2e / m2
Conservation Textured	450x300x50	22	kgCO2e / m2
Conservation Textured	450x450x50	22	kgCO2e / m2
Conservation Textured	450x450x70 Trafica	32	kgCO2e / m2
Conservation Textured	600x600x50	22	kgCO2e / m2
Conservation Textured	600x600x63	28	kgCO2e / m2
Conservation Textured	900x300x50	22	kgCO2e / m2
Conservation Textured	900x600x50	22	kgCO2e / m2
Deterrent Paving	Contour	38	kgCO2e / m2
Deterrent Paving	Lambeth	24	kgCO2e / m2
Deterrent Paving	Thaxted	24	kgCO2e / m2
FRP Conservation Smooth	450x600x63	50	kgCO2e / m2
FRP Conservation Smooth	600x600x63	50	kgCO2e / m2
FRP Conservation Textured	450x600x63	28	kgCO2e / m2
FRP Conservation Textured	600x600x63	28	kgCO2e / m2
FRP Perfecta	450x600x63 CH	28	kgCO2e / m2
FRP Perfecta	450x600x63 SQ	28	kgCO2e / m2
FRP Perfecta	600x600x63 CH	28	kgCO2e / m2
FRP Perfecta	600x600x63 SQ	28	kgCO2e / m2
FRP Pimple	450x600x63	20	kgCO2e / m2
FRP Pimple	600x600x63	20	kgCO2e / m2
FRP Saxon	450x600x63	26	kgCO2e / m2
FRP Saxon	600x600x63	26	kgCO2e / m2
Lomond	400x400x65 Trafica	22	kgCO2e / m2
Lomond	450x450x50	17	kgCO2e / m2
Lomond	450x450x65 Trafica	24	kgCO2e / m2
Lomond	600x600x50	18	kgCO2e / m2
Lomond	600x600x63	22	kgCO2e / m2
Lomond	900x600x50	18	kgCO2e / m2

Product Family	Product Type (All sizes quoted in mm nom.)	Rounded Footprint	Units
Monopave	450x450x50	17	kgCO2e / m2
Monopave	600x600x50	17	kgCO2e / m2
Monopave	600x900x50	17	kgCO2e / m2
Pastel	400x400x65 Trafica	22	kgCO2e / m2
Pastel	450x450x50	18	kgCO2e / m2
Pastel	450x450x70 Trafica	24	kgCO2e / m2
Pastel	600x600x50	18	kgCO2e / m2
Pastel	600x600x63	22	kgCO2e / m2
Pastel	900x600x50	19	kgCO2e / m2
Perfecta	400x400x50 CH	22	kgCO2e / m2
Perfecta	400x400x50 SQ	22	kgCO2e / m2
Perfecta	400x400x65 Trafica	30	kgCO2e / m2
Perfecta	450x300x50 CH	22	kgCO2e / m2
Perfecta	450x300x50 SQ	22	kgCO2e / m2
Perfecta	450x450x50 CH	20	kgCO2e / m2
Perfecta	450x450x50 SQ	20	kgCO2e / m2
Perfecta	450x450x70 Trafica CH	30	kgCO2e / m2
Perfecta	450x450x70 Trafica SQ	30	kgCO2e / m2
Perfecta	450x600x63 CH	28	kgCO2e / m2
Perfecta	450x600x63 CH	28	kgCO2e / m2
Perfecta	600x600x50 CH	24	kgCO2e / m2
Perfecta	600x600x50 SQ	24	kgCO2e / m2
Perfecta	600x600x63 SQ	30	kgCO2e / m2
Perfecta	900x300x50 CH	24	kgCO2e / m2
Perfecta	900x300x50 SQ	24	kgCO2e / m2
Saxon	300x300x60	26	kgCO2e / m2
Saxon	400x400x50	22	kgCO2e / m2
Saxon	400x400x65 Trafica	28	kgCO2e / m2
Saxon	450x300x50	22	kgCO2e / m2
Saxon	450x450x100	40	kgCO2e / m2
Saxon	450x450x50	20	kgCO2e / m2
Saxon	450x450x70 Trafica	28	kgCO2e / m2
Saxon	450x600x50	20	kgCO2e / m2
Saxon	450x600x63	28	kgCO2e / m2
Saxon	600x600x50	22	kgCO2e / m2
Saxon	600x600x63	28	kgCO2e / m2
Saxon	900x300x50	22	kgCO2e / m2
Saxon	900x600x50	22	kgCO2e / m2
Saxon	900x600x63	26	kgCO2e / m2
Standard Pimple	300x300x50	17	kgCO2e / m2
Standard Pimple	300x300x60 Trafica	20	kgCO2e / m2
Standard Pimple	400x400x50 CH	17	kgCO2e / m2
Standard Pimple	400x400x50 SQ	17	kgCO2e / m2
Standard Pimple	400x400x65 Trafica	22	kgCO2e / m2
Standard Pimple	450x450x50 CH	16	kgCO2e / m2
Standard Pimple	450x450x50 SQ	16	kgCO2e / m2
Standard Pimple	450x450x63	20	kgCO2e / m2
Standard Pimple	450x450x70 Trafica	22	kgCO2e / m2
Standard Pimple	450x600x50	17	kgCO2e / m2
Standard Pimple	600x300x50	17	kgCO2e / m2

Product Family	Product Type (All sizes quoted in mm nom.)	Rounded Footprint	Units
Standard Pimple	600x600x50	17	kgCO2e / m2
Standard Pimple	600x600x63	20	kgCO2e / m2
Standard Pimple	750x600x50	16	kgCO2e / m2
Standard Pimple	750x600x63	20	kgCO2e / m2
Standard Pimple	900x300x50	16	kgCO2e / m2
Standard Pimple	900x600x50	17	kgCO2e / m2
Standard Pimple	900x600x63	20	kgCO2e / m2
Standard Pimple Coloured	300x300x50	17	kgCO2e / m2
Standard Pimple Coloured	300x300x60 Trafica	20	kgCO2e / m2
Standard Pimple Coloured	400x400x50 CH	17	kgCO2e / m2
Standard Pimple Coloured	400x400x50 SQ	17	kgCO2e / m2
Standard Pimple Coloured	400x400x65 Trafica	22	kgCO2e / m2
Standard Pimple Coloured	450x450x50 CH	16	kgCO2e / m2
Standard Pimple Coloured	450x450x70 Trafica	22	kgCO2e / m2
Standard Pimple Coloured	600x600x50	17	kgCO2e / m2
Standard Pimple Coloured	600x600x63	20	kgCO2e / m2
Standard Pimple Coloured	900x600x50	17	kgCO2e / m2
Standard Pimple Coloured	900x600x63	20	kgCO2e / m2
Tactile Paving	Barface 600x600x63	20	kgCO2e / m2
Tactile Paving	Barface 900x600x50	17	kgCO2e / m2
Tactile Paving	Barface 900x600x63	20	kgCO2e / m2
Tactile Paving	Cycleway Tactile 400x400x50	17	kgCO2e / m2
Tactile Paving	Directional Guidance 400x400x50	17	kgCO2e / m2
Tactile Paving	Directional Guidance 450x450x50	16	kgCO2e / m2
Tactile Paving	FRP Blister 400x400x65	22	kgCO2e / m2
Tactile Paving	FRP Blister 450x450x50	16	kgCO2e / m2
Tactile Paving	FRP Blister 450x450x70	22	kgCO2e / m2
Tactile Paving	Hazard Warning 400x400x50	17	kgCO2e / m2
Tactile Paving	Hazard Warning 450x450x50	16	kgCO2e / m2
Tactile Paving	Lozenge 400x400x50	17	kgCO2e / m2
Tactile Paving	Platform Edge 400x400x50	17	kgCO2e / m2
Tactile Paving	Standard Bilster 400x400x50	17	kgCO2e / m2
Tactile Paving	Standard Bilster 400x400x65	20	kgCO2e / m2
Tactile Paving	Textured Blister 400x400x50	18	kgCO2e / m2
Tactile Paving	Textured Hazard Warning 400x400x50	18	kgCO2e / m2
Toscana Ground	400x400x65 Trafica CH	26	kgCO2e / m2
Toscana Ground	400x400x65 Trafica SQ	26	kgCO2e / m2
Toscana Ground	450x450x70	28	kgCO2e / m2
Toscana Ground	600x600x50	20	kgCO2e / m2
Toscana Textured	400x400x65 Trafica	24	kgCO2e / m2
Toscana Textured	450x450x70 Trafica	26	kgCO2e / m2
Toscana Textured	600x600x50	19	kgCO2e / m2

FRP = Fibre Reinforced Paving

SQ= Square Edge

CH = Chamfered



Product Family	Product Type (All sizes quoted in mm nom.)	Rounded Footprint	Units	Rounded Footprint	Units
Cycle Way System	Demarcation End 200x200x80	22	kgCO <sub>2</sub> e / m <sup>2</sup>		
Cycle Way System	Standard 200x200x80	22	kgCO <sub>2</sub> e / m <sup>2</sup>		
Eskoo 6	Eskoo 6	26	kgCO <sub>2</sub> e / m <sup>2</sup>		
Eskoo 6	Eskoo 6 Edge Block	26	kgCO <sub>2</sub> e / m <sup>2</sup>		
Eskoo 6	Eskoo 6 End Block	26	kgCO <sub>2</sub> e / m <sup>2</sup>		
Grassguard	Grassguard 130	18	kgCO <sub>2</sub> e / m <sup>2</sup>		
Grassguard	Grassguard 160	20	kgCO <sub>2</sub> e / m <sup>2</sup>		
Grassguard	Grassguard 180	24	kgCO <sub>2</sub> e / m <sup>2</sup>		
Grassguard Machine Lay	ML Grassguard 160	22	kgCO <sub>2</sub> e / m <sup>2</sup>		
Grassguard Machine Lay	ML Grassguard 180	26	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok 60mm	200x100	20	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok 60mm Colourtop	200x100	20	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok 60mm ML	200x100 Machine Lay 45°	20	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok 60mm ML	200x100 Machine Lay 90°	19	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok 60mm Pencil Edge	200x100	20	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok 60mm V-Groove	200x100	20	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok 60mm White Marker Block	200x100	20	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok 60mm White Reflective	200x100	20	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok 65mm	200x100	22	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok 80mm	200x100	26	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok 80mm Colourtop	200x100	26	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok 80mm ML	200x100 Machine Lay 45°	28	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok 80mm ML	200x100 Machine Lay 90°	28	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok 80mm ML Half Blocks	100x100	26	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok 80mm Pencil Edge	200x100	26	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok 80mm V-Groove	200x100	26	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok 80mm White Marker Block	200x100	26	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok 80mm White Reflective	200x100	26	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok Circle 80mm	1.3m radius	24	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok Circle 80mm	2.5m radius	26	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok Circle 80mm	3.7m radius	26	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok Setts 60mm	120x160	19	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok Setts 80mm	120x160	26	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok Setts 60mm	160x160	19	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok Setts 80mm	160x160	26	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok Setts 60mm	160x240	19	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok Setts 80mm	160x240	26	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok Vintage 60mm	200x100	22	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keyblok Vintage 80mm	200x100	30	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keycheck	200x200x75	22	kgCO <sub>2</sub> e / m <sup>2</sup>		
Keykerb KL Accessories	90° Bullnose External Angle	1	kgCO <sub>2</sub> e / ea		
Keykerb KL Accessories	90° Bullnose Internal Angle	1	kgCO <sub>2</sub> e / ea		
Keykerb KL Accessories	Bullnose Radial - ext dim	0.8	kgCO <sub>2</sub> e / ea	6	kgCO <sub>2</sub> e / m
Keykerb KL Accessories	Bullnose Radial - Int dim	0.8	kgCO <sub>2</sub> e / ea	6	kgCO <sub>2</sub> e / m
Keykerb KL Accessories	Drop Crossing KL to KS BN lh	4	kgCO <sub>2</sub> e / ea		
Keykerb KL Accessories	Drop Crossing KL to KS BN rh	4	kgCO <sub>2</sub> e / ea		
Keykerb KL Accessories	HB 90° Angle Flat: External	1.9	kgCO <sub>2</sub> e / ea		
Keykerb KL Accessories	HB 90° Angle Flat: Internal	1.9	kgCO <sub>2</sub> e / ea		
Keykerb KL Accessories	HB 90° Angle: External	0.95	kgCO <sub>2</sub> e / ea		
Keykerb KL Accessories	HB 90° Angle: Internal	0.95	kgCO <sub>2</sub> e / ea		

Product Family	Product Type (All sizes quoted in mm nom.)	Rounded Footprint	Units	Rounded Footprint	Units
Keykerb KL Accessories	HB Radial Block - ext dim	0.75	kgCO2e / ea	11	kgCO2e / m
Keykerb KL Accessories	HB Radial Block - int dim	0.75	kgCO2e / ea	11	kgCO2e / m
Keykerb KL System	Bullnosed. Half Battered	0.8	kgCO2e / ea	8	kgCO2e / m
Keykerb KM Accessories	90° Angle External	1.1	kgCO2e / ea		
Keykerb KM Accessories	90° Angle Internal	1.2	kgCO2e / ea		
Keykerb KM Accessories	Drop End lh	1.9	kgCO2e / ea		
Keykerb KM Accessories	Drop End rh	1.9	kgCO2e / ea		
Keykerb KM Accessories	Radial - ext dim	0.5	kgCO2e / ea	7	kgCO2e / m
Keykerb KM Accessories	Radial - int dim	0.5	kgCO2e / ea	7	kgCO2e / m
Keykerb KM Accessories	SP Crossing Unit	0.65	kgCO2e / ea		
Keykerb KM Accessories	Transition & Crossing Unit to KM Splay lh	1.5	kgCO2e / ea		
Keykerb KM Accessories	Transition & Crossing Unit to KM Splay rh	1.5	kgCO2e / ea		
Keykerb KM Accessories	Transitional BS HB to KM Splay lh	3.2	kgCO2e / ea		
Keykerb KM Accessories	Transitional BS HB to KM Splay rh	3.2	kgCO2e / ea		
Keykerb KM System	Splay	0.7	kgCO2e / ea	7	kgCO2e / m
Keykerb KS Accessories	Bullnosed 90°: External	0.55	kgCO2e / ea		
Keykerb KS Accessories	Bullnosed 90°: Internal	0.65	kgCO2e / ea		
Keykerb KS Accessories	Bullnosed Radial - ext dim	0.45	kgCO2e / ea	4.5	kgCO2e / m
Keykerb KS Accessories	Bullnosed Radial - int dim	0.45	kgCO2e / ea	6	kgCO2e / m
Keykerb KS Accessories	Splay 90°: External	0.55	kgCO2e / ea		
Keykerb KS Accessories	Splay 90°: Internal	0.6	kgCO2e / ea		
Keykerb KS Accessories	Splay Radial - ext dim	0.45	kgCO2e / ea	4.5	kgCO2e / m
Keykerb KS Accessories	Splay Radial - int dim	0.45	kgCO2e / ea	6	kgCO2e / m
Keykerb KS System	Splay Unit/ Bullnosed	0.5	kgCO2e / ea	5	kgCO2e / m
La Linia 65mm	400x400	32	kgCO2e / m2		
La Linia 80mm	100x100	40	kgCO2e / m2		
La Linia 80mm	200x100	40	kgCO2e / m2		
La Linia 80mm	200x200	40	kgCO2e / m2		
La Linia 80mm	200x300	40	kgCO2e / m2		
La Linia 80mm	300x300	34	kgCO2e / m2		
La Linia 80mm	300x600	38	kgCO2e / m2		
La Linia Bishops Mitre	200x100/282	28	kgCO2e / m2		
La Linia Bishops Mitre	Bishops Mitre 300x100/422	28	kgCO2e / m2		
La Linia Inlay Stone	100x100	40	kgCO2e / m2		
La Linia Inlay Stone	100x282 lh	40	kgCO2e / m2		
La Linia Inlay Stone	100x282 rh	40	kgCO2e / m2		
La Linia Inlay Stone	141x141x200	40	kgCO2e / m2		
La Linia Inlay Stone	200x100	40	kgCO2e / m2		
La Linia Inlay Stone	200x200	40	kgCO2e / m2		
La Linia Inlay Stone	200x200x282	38	kgCO2e / m2		
Metropolitan 80mm	200x100	40	kgCO2e / m2		
Metropolitan 80mm	200x200	40	kgCO2e / m2		
Metropolitan 80mm	200x300	40	kgCO2e / m2		
Metropolitan 80mm	300x300	40	kgCO2e / m2		
Metropolitan 80mm	600x300	40	kgCO2e / m2		
Mistral 60mm	120x160	32	kgCO2e / m2		
Mistral 60mm	160x160	32	kgCO2e / m2		
Mistral 60mm	160x240	34	kgCO2e / m2		
Mistral 80mm	120x160	45	kgCO2e / m2		
Mistral 80mm	160x160	45	kgCO2e / m2		

Product Family	Product Type (All sizes quoted in mm nom.)	Rounded Footprint	Units	Rounded Footprint	Units
Mistral 80mm	160x240	45	kgCO <sub>2</sub> e / m <sup>2</sup>		
Mistral 80mm Flat Top	120x160	45	kgCO <sub>2</sub> e / m <sup>2</sup>		
Mistral 80mm Flat Top	160x160	45	kgCO <sub>2</sub> e / m <sup>2</sup>		
Mistral 80mm Flat Top	160x240	45	kgCO <sub>2</sub> e / m <sup>2</sup>		
Mistral Priora 80mm	160x120	45	kgCO <sub>2</sub> e / m <sup>2</sup>		
Mistral Priora 80mm	160x160	45	kgCO <sub>2</sub> e / m <sup>2</sup>		
Mistral Priora 80mm	160x240	45	kgCO <sub>2</sub> e / m <sup>2</sup>		
Olde Priora 80mm	200x100	26	kgCO <sub>2</sub> e / m <sup>2</sup>		
Pallas 65mm	400x400	38	kgCO <sub>2</sub> e / m <sup>2</sup>		
Pallas 80mm	200x200	50	kgCO <sub>2</sub> e / m <sup>2</sup>		
Pallas 80mm	200x300	50	kgCO <sub>2</sub> e / m <sup>2</sup>		
Pallas 80mm	300x300	50	kgCO <sub>2</sub> e / m <sup>2</sup>		
Pallas 80mm	600x300	50	kgCO <sub>2</sub> e / m <sup>2</sup>		
Petrapave	Impermeable Paving	32	kgCO <sub>2</sub> e / m <sup>2</sup>		
Priora 60mm	200x100	24	kgCO <sub>2</sub> e / m <sup>2</sup>		
Priora 80mm	200x100	24	kgCO <sub>2</sub> e / m <sup>2</sup>		
Priora 80mm Half Blocks	100x100	24	kgCO <sub>2</sub> e / m <sup>2</sup>		
Priora 80mm Machine Lay	200x100 Machine Lay 45°	22	kgCO <sub>2</sub> e / m <sup>2</sup>		
Priora 80mm Machine Lay	200x100 Machine Lay 90°	24	kgCO <sub>2</sub> e / m <sup>2</sup>		
Rialta	Mixed sizes	24	kgCO <sub>2</sub> e / m <sup>2</sup>		
Rialta Wedge	Wedge	24	kgCO <sub>2</sub> e / m <sup>2</sup>		
Tegula 60mm	120x160	24	kgCO <sub>2</sub> e / m <sup>2</sup>		
Tegula 60mm	160x160	22	kgCO <sub>2</sub> e / m <sup>2</sup>		
Tegula 60mm	160x240	24	kgCO <sub>2</sub> e / m <sup>2</sup>		
Tegula 60mm	Multi-Pack (120x160/160x160/160x240)	24	kgCO <sub>2</sub> e / m <sup>2</sup>		
Tegula 80mm	120x120	30	kgCO <sub>2</sub> e / m <sup>2</sup>		
Tegula 80mm	120x160	30	kgCO <sub>2</sub> e / m <sup>2</sup>		
Tegula 80mm	120x80	30	kgCO <sub>2</sub> e / m <sup>2</sup>		
Tegula 80mm	160x160	30	kgCO <sub>2</sub> e / m <sup>2</sup>		
Tegula 80mm	160x240	30	kgCO <sub>2</sub> e / m <sup>2</sup>		
Tegula 80mm	240x240	30	kgCO <sub>2</sub> e / m <sup>2</sup>		
Tegula 80mm	240x320	30	kgCO <sub>2</sub> e / m <sup>2</sup>		
Tegula Cobbles 60mm	Cobbles	22	kgCO <sub>2</sub> e / m <sup>2</sup>		
Tegula Kerbsett	130mm on bed	1.9	kgCO <sub>2</sub> e / ea	14	kgCO <sub>2</sub> e / m
Tegula Kerbsett	160mm on bed	1.9	kgCO <sub>2</sub> e / ea	12	kgCO <sub>2</sub> e / m
Tegula Kerbsett	250mm on bed	1.9	kgCO <sub>2</sub> e / ea	7.5	kgCO <sub>2</sub> e / m
Tegula Kerbsett	External 90° Angle	1.9	kgCO <sub>2</sub> e / ea		
Tegula Kerbsett	External Radial	1.9	kgCO <sub>2</sub> e / ea	7.5	kgCO <sub>2</sub> e / m
Tegula Kerbsett	Internal 90° Angle	1.9	kgCO <sub>2</sub> e / ea		
Tegula Kerbsett	Internal Radial	1.9	kgCO <sub>2</sub> e / ea	7.5	kgCO <sub>2</sub> e / m
Tegula ML: 80mm	Mixed size: 120x160/160x160/160x240	30	kgCO <sub>2</sub> e / m <sup>2</sup>		
Tegula Priora 60mm	160x120	24	kgCO <sub>2</sub> e / m <sup>2</sup>		
Tegula Priora 60mm	160x160	22	kgCO <sub>2</sub> e / m <sup>2</sup>		
Tegula Priora 60mm	160x240	22	kgCO <sub>2</sub> e / m <sup>2</sup>		
Tegula Priora 80mm	160x120	28	kgCO <sub>2</sub> e / m <sup>2</sup>		
Tegula Priora 80mm	160x160	28	kgCO <sub>2</sub> e / m <sup>2</sup>		
Tegula Priora 80mm	160x240	28	kgCO <sub>2</sub> e / m <sup>2</sup>		
Tescina 60mm	200x100	26	kgCO <sub>2</sub> e / m <sup>2</sup>		
Tescina 80mm	200x100	36	kgCO <sub>2</sub> e / m <sup>2</sup>		

Product Family	Product Type (All sizes quoted in mm nom.)	Rounded Footprint	Units	Rounded Footprint	Units
Beany Mini	Channel 210 1000mm	14	kgCO <sub>2</sub> e / ea	14	kgCO <sub>2</sub> e / m
Beany Mini	Channel 260 1000mm	15	kgCO <sub>2</sub> e / ea	15	kgCO <sub>2</sub> e / m
Beany Mini	Channel 310 1000mm	17	kgCO <sub>2</sub> e / ea	17	kgCO <sub>2</sub> e / m
Beany Mini	Channel 360 1000mm	20	kgCO <sub>2</sub> e / ea	20	kgCO <sub>2</sub> e / m
Beany Mini	Half Battered Top 1000mm	13	kgCO <sub>2</sub> e / ea	13	kgCO <sub>2</sub> e / m
Beany Mini	Conservation Top 1000mm	22	kgCO <sub>2</sub> e / ea	22	kgCO <sub>2</sub> e / m
Beany System	Base 205	9.5	kgCO <sub>2</sub> e / ea	19	kgCO <sub>2</sub> e / m
Beany System	Base 295	12	kgCO <sub>2</sub> e / ea	24	kgCO <sub>2</sub> e / m
Beany System	Base 365	13	kgCO <sub>2</sub> e / ea	26	kgCO <sub>2</sub> e / m
Beany System	Base 630	15	kgCO <sub>2</sub> e / ea	30	kgCO <sub>2</sub> e / m
Beany System	Top 45 Spl Straight Back	11	kgCO <sub>2</sub> e / ea	20	kgCO <sub>2</sub> e / m
Beany System	Top HB St Back Low Hole	9.5	kgCO <sub>2</sub> e / ea	19	kgCO <sub>2</sub> e / m
Beany System	Top HB Straight Back	10	kgCO <sub>2</sub> e / ea	20	kgCO <sub>2</sub> e / m
Beany System	Top HB Symmetrical	10	kgCO <sub>2</sub> e / ea	20	kgCO <sub>2</sub> e / m
Beany System	Top HB Symmetrical Low Hole	9.5	kgCO <sub>2</sub> e / ea	19	kgCO <sub>2</sub> e / m
Max E Channel System	Base 205	9.5	kgCO <sub>2</sub> e / ea	19	kgCO <sub>2</sub> e / m
Max E Channel System	Base 295	12	kgCO <sub>2</sub> e / ea	24	kgCO <sub>2</sub> e / m
Max E Channel System	Base 365	13	kgCO <sub>2</sub> e / ea	26	kgCO <sub>2</sub> e / m
Max E Channel System	Base 630	15	kgCO <sub>2</sub> e / ea	30	kgCO <sub>2</sub> e / m
Max E Channel System	Concrete Grate 250mm	5.5	kgCO <sub>2</sub> e / ea	22	kgCO <sub>2</sub> e / m
Max E Channel System	Concrete Grate Reinforced 250mm	5	kgCO <sub>2</sub> e / ea	20	kgCO <sub>2</sub> e / m

Product Family	Product Type (All sizes quoted in mm nom.)	Rounded Footprint	Units	Rounded Footprint	Units
Bus Stop	15° Radius Unit	3.8	kgCO2e / ea		
Bus Stop	160 dropper	14	kgCO2e / ea		
Bus Stop	160 dropper Textured	16	kgCO2e / ea		
Bus Stop	180 dropper	14	kgCO2e / ea		
Bus Stop	180 dropper Textured	16	kgCO2e / ea		
Bus Stop	200 dropper	14	kgCO2e / ea		
Bus Stop	Channel Unit	15	kgCO2e / ea	15	kgCO2e / m
Bus Stop	Straight	18	kgCO2e / ea	18	kgCO2e / m
Bus Stop	Straight Textured	20	kgCO2e / ea	20	kgCO2e / m
Channel	Bullnosed Channel 255x125	8.5	kgCO2e / ea	9.5	kgCO2e / m
Channel	Bullnosed Channel 305x150	13	kgCO2e / ea	14	kgCO2e / m
Channel	Dished Channel 230x75	4	kgCO2e / ea	4.5	kgCO2e / m
Channel	Dished Channel 255x125	7.5	kgCO2e / ea	8.5	kgCO2e / m
Channel	Dished Channel 305x150	10	kgCO2e / ea	11	kgCO2e / m
Channel	Dished Channel 305x90	6.5	kgCO2e / ea	7	kgCO2e / m
Channel	Motorway Channel	14	kgCO2e / ea	15	kgCO2e / m
Channel	Square Channel 150x125	5.5	kgCO2e / ea	6	kgCO2e / m
Channel	Square Channel 150x150	6.5	kgCO2e / ea	7	kgCO2e / m
Channel	Square Channel 255x125	8.5	kgCO2e / ea	9.5	kgCO2e / m
Channel	Square Channel External Radius - mixed radius	8	kgCO2e / ea	8.5	kgCO2e / m
Charnwood	915x125x255	12	kgCO2e / ea	13	kgCO2e / m
Charnwood	Centre 125x150	6	kgCO2e / ea	6.5	kgCO2e / m
Charnwood	Drop : 255x150/125	8.5	kgCO2e / ea		
Charnwood	External Angle	5.5	kgCO2e / ea		
Charnwood	External Radius: 2/3/4/6/8/10	9	kgCO2e / ea	11	kgCO2e / m
Charnwood	Internal Angle	5.5	kgCO2e / ea		
Charnwood	Internal Radius: 3/6	9	kgCO2e / ea	11	kgCO2e / m
Charnwood	Quadrant 305x255	6	kgCO2e / ea		
Conservation	300x255x205	6	kgCO2e / ea	20	kgCO2e / m
Conservation	450x145x255	7.5	kgCO2e / ea	17	kgCO2e / m
Conservation	450x255x205	9	kgCO2e / ea	20	kgCO2e / m
Conservation	600x145x255	10	kgCO2e / ea	17	kgCO2e / m
Conservation	600x255x205	12	kgCO2e / ea	20	kgCO2e / m
Conservation	915x145x255: For Laying Upright	16	kgCO2e / ea	17	kgCO2e / m
Conservation	915x255x205	18	kgCO2e / ea	20	kgCO2e / m
Conservation	Centre 145x145	11	kgCO2e / ea	11	kgCO2e / m
Conservation	Centre 255x100	10	kgCO2e / ea	11	kgCO2e / m
Conservation	Centre 255x145	16	kgCO2e / ea	17	kgCO2e / m
Conservation	Chamfered Centre Stone	13	kgCO2e / ea	15	kgCO2e / m
Conservation	Chamfered Drop	10	kgCO2e / ea		
Conservation	Drop 145x255x145	13	kgCO2e / ea	20	kgCO2e / m
Conservation	Droppers 1:18	32	kgCO2e / ea		
Conservation	Droppers 1:9	16	kgCO2e / ea		
Conservation	External Radius: 1.48	11	kgCO2e / ea	22	kgCO2e / m
Conservation	External Radius: 11	18	kgCO2e / ea	24	kgCO2e / m
Conservation	External Radius: 2.98	17	kgCO2e / ea	22	kgCO2e / m
Conservation	External Radius: 2/3/4/6/8/10	16	kgCO2e / ea	20	kgCO2e / m
Conservation	External Radius: 6.2	18	kgCO2e / ea	24	kgCO2e / m
Conservation	Internal Radius 1.85	16	kgCO2e / ea	22	kgCO2e / m
Conservation	Internal Radius 2.85	16	kgCO2e / ea	20	kgCO2e / m

Product Family	Product Type (All sizes quoted in mm nom.)	Rounded Footprint	Units	Rounded Footprint	Units
Conservation	Internal Radius 3.85	16	kgCO <sub>2</sub> e / ea	20	kgCO <sub>2</sub> e / m
Conservation	Internal Radius 5.85	16	kgCO <sub>2</sub> e / ea	20	kgCO <sub>2</sub> e / m
Conservation	Internal Radius 7.85	16	kgCO <sub>2</sub> e / ea	20	kgCO <sub>2</sub> e / m
Conservation	Internal Radius 9.85	16	kgCO <sub>2</sub> e / ea	20	kgCO <sub>2</sub> e / m
Conservation	Internal Radius: 1.23	11	kgCO <sub>2</sub> e / ea	26	kgCO <sub>2</sub> e / m
Conservation	Internal Radius: 10.75	18	kgCO <sub>2</sub> e / ea	24	kgCO <sub>2</sub> e / m
Conservation	Internal Radius: 2.73	17	kgCO <sub>2</sub> e / ea	24	kgCO <sub>2</sub> e / m
Conservation	Internal Radius: 5.93	18	kgCO <sub>2</sub> e / ea	24	kgCO <sub>2</sub> e / m
Conservation	Quadrant	8	kgCO <sub>2</sub> e / ea		
Conservation	Quadrant	8	kgCO <sub>2</sub> e / ea		
Conservation	Step	16	kgCO <sub>2</sub> e / ea		
Saxon	145x255	15	kgCO <sub>2</sub> e / ea	17	kgCO <sub>2</sub> e / m
Saxon	Centre 145x145	9.5	kgCO <sub>2</sub> e / ea	10	kgCO <sub>2</sub> e / m
Saxon	Drop : 145x255x145	13	kgCO <sub>2</sub> e / ea		
Saxon	External Radius: 2/4/6/10	15	kgCO <sub>2</sub> e / ea	20	kgCO <sub>2</sub> e / m
Saxon	Internal Radius: 1.85	15	kgCO <sub>2</sub> e / ea	22	kgCO <sub>2</sub> e / m
Saxon	Internal Radius: 3.85	15	kgCO <sub>2</sub> e / ea	20	kgCO <sub>2</sub> e / m
Saxon	Internal Radius: 5.85	15	kgCO <sub>2</sub> e / ea	20	kgCO <sub>2</sub> e / m
Saxon	Internal Radius: 9.85	15	kgCO <sub>2</sub> e / ea	20	kgCO <sub>2</sub> e / m
Saxon	Step Unit 145x255	15	kgCO <sub>2</sub> e / ea	17	kgCO <sub>2</sub> e / m
Standard Ancills	45 SP Angle	4.5	kgCO <sub>2</sub> e / ea		
Standard Ancills	45 SP Drop 125x255/150	6.5	kgCO <sub>2</sub> e / ea		
Standard Ancills	45 SP External Radius 125x255 (mixed radius)	8	kgCO <sub>2</sub> e / ea	8.5	kgCO <sub>2</sub> e / m
Standard Ancills	45 SP External Radius 125x255 (radius 12m)	8.5	kgCO <sub>2</sub> e / ea	10	kgCO <sub>2</sub> e / m
Standard Ancills	45 SP Quadrant 305	5	kgCO <sub>2</sub> e / ea		
Standard Ancills	45 SP Quadrant 455	13	kgCO <sub>2</sub> e / ea		
Standard Ancills	45° Sp to HB 125x255	8.5	kgCO <sub>2</sub> e / ea		
Standard Ancills	BN Angle	4.5	kgCO <sub>2</sub> e / ea		
Standard Ancills	BN Drop 125x255/150 (LH)	7.5	kgCO <sub>2</sub> e / ea		
Standard Ancills	BN Drop 125x255/150 (RH)	7.5	kgCO <sub>2</sub> e / ea		
Standard Ancills	BN External Radius 125x150 (mixed radius)	6.5	kgCO <sub>2</sub> e / ea	8.5	kgCO <sub>2</sub> e / m
Standard Ancills	BN External Radius 125x255 (mixed radius)	8	kgCO <sub>2</sub> e / ea	10	kgCO <sub>2</sub> e / m
Standard Ancills	BN External Radius 150x305 (mixed radius)	4.5	kgCO <sub>2</sub> e / ea	5.5	kgCO <sub>2</sub> e / m
Standard Ancills	BN Internal Radius 125x150 (mixed radius)	8	kgCO <sub>2</sub> e / ea	10	kgCO <sub>2</sub> e / m
Standard Ancills	BN Internal Radius 125x255 (mixed radius)	11	kgCO <sub>2</sub> e / ea	14	kgCO <sub>2</sub> e / m
Standard Ancills	BN Quadrant 305	4.5	kgCO <sub>2</sub> e / ea		
Standard Ancills	BN Quadrant 455	5.5	kgCO <sub>2</sub> e / ea		
Standard Ancills	Centre Stone 125x150	12	kgCO <sub>2</sub> e / ea	13	kgCO <sub>2</sub> e / m
Standard Ancills	Centre Stone 125x150	5	kgCO <sub>2</sub> e / ea	13	kgCO <sub>2</sub> e / m
Standard Ancills	HB Drop 1:12 Gradient 125x255/150	7.5	kgCO <sub>2</sub> e / ea		
Standard Ancills	HB Angle	4.5	kgCO <sub>2</sub> e / ea		
Standard Ancills	HB Centre Stone 128x178	6	kgCO <sub>2</sub> e / ea	6.5	kgCO <sub>2</sub> e / m
Standard Ancills	HB Drop 1:24 Gradient 125x255/215 - 125x215/178	15	kgCO <sub>2</sub> e / ea		
Standard Ancills	HB Drop 1:9 Gradient	7.5	kgCO <sub>2</sub> e / ea		
Standard Ancills	HB External Radius 125x150 (mixed radius)	4	kgCO <sub>2</sub> e / ea	5.5	kgCO <sub>2</sub> e / m
Standard Ancills	HB External Radius 125x255 (mixed radius)	7.5	kgCO <sub>2</sub> e / ea	10	kgCO <sub>2</sub> e / m
Standard Ancills	HB External Radius 150x305 (mixed radius)	11	kgCO <sub>2</sub> e / ea	14	kgCO <sub>2</sub> e / m
Standard Ancills	HB External Radius Dropper 125x255/150 HB to BN	6.5	kgCO <sub>2</sub> e / ea	8.5	kgCO <sub>2</sub> e / m
Standard Ancills	HB Internal Radius 125x255 (mixed radius)	7.5	kgCO <sub>2</sub> e / ea	10	kgCO <sub>2</sub> e / m

Product Family	Product Type (All sizes quoted in mm nom.)	Rounded Footprint	Units	Rounded Footprint	Units
Standard Ancills	HB Quadrant 455	10	kgCO2e / ea		
Standard Ancills	HB Side Offlet	7.5	kgCO2e / ea		
Standard Ancills	HB to 45° Sp 125x255	8.5	kgCO2e / ea		
Standard Ancills	HB to BN Transition 125x255	8.5	kgCO2e / ea		
Standard Ancills	Side Offlet 125x255 Sp	7.5	kgCO2e / ea		
Standard Ancills	Transition 125x255 45° Splay to HB (RH)	8.5	kgCO2e / ea		
Standard Ancills	Transition 125x255 BN to HB (RH)	8.5	kgCO2e / ea		
Standard Ancills	Transition 125x255 HB to 45° Splay (LH)	8.5	kgCO2e / ea		
Standard Ancills	Transition 125x255 HB to BN (LH)	8.5	kgCO2e / ea		
Standard Kerb Straight	45° Splay 125x150	4.5	kgCO2e / ea	5	kgCO2e / m
Standard Kerb Straight	45° Splay 125x255 (600)	5	kgCO2e / ea	8.5	kgCO2e / m
Standard Kerb Straight	45° Splay 125x255 (914)	8	kgCO2e / ea	8.5	kgCO2e / m
Standard Kerb Straight	Bullnosed 125x150	5	kgCO2e / ea	5.5	kgCO2e / m
Standard Kerb Straight	Bullnosed 125x255 (600)	5.5	kgCO2e / ea	9.5	kgCO2e / m
Standard Kerb Straight	Bullnosed 125x255 (914)	8.5	kgCO2e / ea	9.5	kgCO2e / m
Standard Kerb Straight	Bullnosed 150x305	12	kgCO2e / ea	14	kgCO2e / m
Standard Kerb Straight	Half Battered 125x150 HB3	5	kgCO2e / ea	5.5	kgCO2e / m
Standard Kerb Straight	Half Battered 125x255 HB2 (600)	5.5	kgCO2e / ea	9.5	kgCO2e / m
Standard Kerb Straight	Half Battered 125x255 HB2 (914)	8.5	kgCO2e / ea	9.5	kgCO2e / m
Standard Kerb Straight	Half Battered 150x305 HB1	12	kgCO2e / ea	13	kgCO2e / m
Titan	1000x390x400	30	kgCO2e / ea	30	kgCO2e / m
Titan	120° Quadrant	15	kgCO2e / ea		
Titan	135° Quadrant	16	kgCO2e / ea		
Titan	325x390x400	9.5	kgCO2e / ea	30	kgCO2e / m
Titan	45° Quadrant	9.5	kgCO2e / ea		
Titan	495x390x400	15	kgCO2e / ea	30	kgCO2e / m
Titan	60° Quadrant	11	kgCO2e / ea		
Titan	665x390x400	20	kgCO2e / ea	30	kgCO2e / m
Titan	90° Internal Angle	26	kgCO2e / ea		
Titan	90° Quadrant	13	kgCO2e / ea		
Titan	External radius: 11/8.5	28	kgCO2e / ea	30	kgCO2e / m
Titan	External radius: 15/11	28	kgCO2e / ea	30	kgCO2e / m
Titan	External radius: 2	13	kgCO2e / ea	32	kgCO2e / m
Titan	External radius: 25/15	28	kgCO2e / ea	30	kgCO2e / m
Titan	External radius: 3	19	kgCO2e / ea	32	kgCO2e / m
Titan	External radius: 4.5	28	kgCO2e / ea	32	kgCO2e / m
Titan	External radius: 6	24	kgCO2e / ea	30	kgCO2e / m
Titan	External radius: 7.5	26	kgCO2e / ea	30	kgCO2e / m
Titan	External radius: 76/25	28	kgCO2e / ea	30	kgCO2e / m
Titan	External radius: 1.5	10	kgCO2e / ea	34	kgCO2e / m
Titan	Internal Radius: 1.5	7.5	kgCO2e / ea	26	kgCO2e / m
Titan	Internal Radius: 11/8.5	28	kgCO2e / ea	30	kgCO2e / m
Titan	Internal Radius: 15/11	28	kgCO2e / ea	30	kgCO2e / m
Titan	Internal Radius: 2	11	kgCO2e / ea	26	kgCO2e / m
Titan	Internal Radius: 25/15	28	kgCO2e / ea	30	kgCO2e / m
Titan	Internal Radius: 3	16	kgCO2e / ea	28	kgCO2e / m
Titan	Internal Radius: 4.5	24	kgCO2e / ea	28	kgCO2e / m
Titan	Internal Radius: 6	22	kgCO2e / ea	28	kgCO2e / m
Titan	Internal Radius: 7.5	26	kgCO2e / ea	30	kgCO2e / m
Titan	Internal Radius: 76/25	28	kgCO2e / ea	30	kgCO2e / m

Product Family	Product Type (All sizes quoted in mm nom.)	Rounded Footprint	Units	Rounded Footprint	Units
Conservation	65x150	3.7	kgCO <sub>2</sub> e / ea	4	kgCO <sub>2</sub> e / m
Conservation	63x150	3.6	kgCO <sub>2</sub> e / ea	3.9	kgCO <sub>2</sub> e / m
Saxon	63x150	3.7	kgCO <sub>2</sub> e / ea	4	kgCO <sub>2</sub> e / m
Bullnosed Edging	50x150	2	kgCO <sub>2</sub> e / ea	2.2	kgCO <sub>2</sub> e / m
Bullnosed Edging	50x200	2.4	kgCO <sub>2</sub> e / ea	2.8	kgCO <sub>2</sub> e / m
Bullnosed Edging	50x250	3.4	kgCO <sub>2</sub> e / ea	3.6	kgCO <sub>2</sub> e / m
Flat Top Edging	50x150	1.9	kgCO <sub>2</sub> e / ea	2	kgCO <sub>2</sub> e / m
Flat Top Edging	50x200	2.4	kgCO <sub>2</sub> e / ea	2.6	kgCO <sub>2</sub> e / m
Flat Top Edging	50x250	3.2	kgCO <sub>2</sub> e / ea	3.4	kgCO <sub>2</sub> e / m
Round Top Edging	50x150	1.9	kgCO <sub>2</sub> e / ea	2	kgCO <sub>2</sub> e / m
Round Top Edging	50x200	2.4	kgCO <sub>2</sub> e / ea	2.6	kgCO <sub>2</sub> e / m
Round Top Edging	50x250	3.2	kgCO <sub>2</sub> e / ea	3.4	kgCO <sub>2</sub> e / m



Product Family	Product Type (All sizes quoted in mm nom.)	Rounded Footprint	Units
Cromwell Pitched Face	140x300	34	kgCO2e / m2
Cromwell Pitched Face	140x300	34	kgCO2e / m2
Cromwell Pitched Face	140x365	34	kgCO2e / m2
Cromwell Pitched Face	140x365	34	kgCO2e / m2
Cromwell Pitched Face	140x440	34	kgCO2e / m2
Cromwell Pitched Face	140x440	34	kgCO2e / m2
Cromwell Pitched Face	65x220	32	kgCO2e / m2
Cromwell Pitched Face	65x220	32	kgCO2e / m2
Cromwell Rustic	140x180	36	kgCO2e / m2
Cromwell Rustic	140x180	36	kgCO2e / m2
Cromwell Rustic	140x220	36	kgCO2e / m2
Cromwell Rustic	140x220	36	kgCO2e / m2
Cromwell Rustic	140x260	36	kgCO2e / m2
Cromwell Rustic	140x260	36	kgCO2e / m2
Cromwell Rustic	140x300	40	kgCO2e / m2
Cromwell Rustic	140x300	40	kgCO2e / m2
Cromwell Rustic	140x365	40	kgCO2e / m2
Cromwell Rustic	140x365	40	kgCO2e / m2
Cromwell Rustic	140x440	36	kgCO2e / m2
Cromwell Rustic	140x440	36	kgCO2e / m2
Cromwell Rustic	65x220	36	kgCO2e / m2
Cromwell Rustic	65x220	36	kgCO2e / m2
Cromwell Split Face	140x300	34	kgCO2e / m2
Cromwell Split Face	140x365	34	kgCO2e / m2
Cromwell Split Face	140x440	34	kgCO2e / m2
Cromwell Split Face	65x220	32	kgCO2e / m2
Heritage Sharp Face	115x190	40	kgCO2e / m2
Heritage Sharp Face	115x190	40	kgCO2e / m2
Heritage Sharp Face	115x215	45	kgCO2e / m2
Heritage Sharp Face	115x215	45	kgCO2e / m2
Heritage Sharp Face	115x240	40	kgCO2e / m2
Heritage Sharp Face	115x240	40	kgCO2e / m2
Heritage Sharp Face	115x290	45	kgCO2e / m2
Heritage Sharp Face	115x290	45	kgCO2e / m2
Heritage Sharp Face	115x365	40	kgCO2e / m2
Heritage Sharp Face	115x365	40	kgCO2e / m2
Heritage Sharp Face	140x190	45	kgCO2e / m2
Heritage Sharp Face	140x190	45	kgCO2e / m2
Heritage Sharp Face	140x215	45	kgCO2e / m2
Heritage Sharp Face	140x215	45	kgCO2e / m2
Heritage Sharp Face	140x240	45	kgCO2e / m2
Heritage Sharp Face	140x240	45	kgCO2e / m2
Heritage Sharp Face	140x290	40	kgCO2e / m2
Heritage Sharp Face	140x290	40	kgCO2e / m2
Heritage Sharp Face	140x365	45	kgCO2e / m2
Heritage Sharp Face	140x365	45	kgCO2e / m2
Heritage Sharp Face	140x440	45	kgCO2e / m2
Heritage Sharp Face	140x440	45	kgCO2e / m2
Heritage Sharp Face	215x215	40	kgCO2e / m2
Heritage Sharp Face	215x215	40	kgCO2e / m2

Product Family	Product Type (All sizes quoted in mm nom.)	Rounded Footprint	Units
Heritage Sharp Face	215x290	40	kgCO2e / m2
Heritage Sharp Face	215x290	40	kgCO2e / m2
Heritage Sharp Face	65x190	40	kgCO2e / m2
Heritage Sharp Face	65x190	40	kgCO2e / m2
Heritage Sharp Face	65x215	40	kgCO2e / m2
Heritage Sharp Face	65x215	40	kgCO2e / m2
Heritage Sharp Face	65x240	40	kgCO2e / m2
Heritage Sharp Face	65x240	40	kgCO2e / m2
Heritage Sharp Face	65x290	40	kgCO2e / m2
Heritage Sharp Face	65x290	40	kgCO2e / m2
Heritage Sharp Face	90x190	40	kgCO2e / m2
Heritage Sharp Face	90x190	40	kgCO2e / m2
Heritage Sharp Face	90x215	40	kgCO2e / m2
Heritage Sharp Face	90x215	40	kgCO2e / m2
Heritage Sharp Face	90x240	40	kgCO2e / m2
Heritage Sharp Face	90x240	40	kgCO2e / m2
Heritage Sharp Face	90x290	45	kgCO2e / m2
Heritage Sharp Face	90x290	45	kgCO2e / m2
Heritage Sharp Face	90x365	45	kgCO2e / m2
Heritage Sharp Face	90x365	45	kgCO2e / m2





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