FORTERRA

CLAY BRICKS

EPD – CARBON SUMMARY





WHAT IS AN LCA?

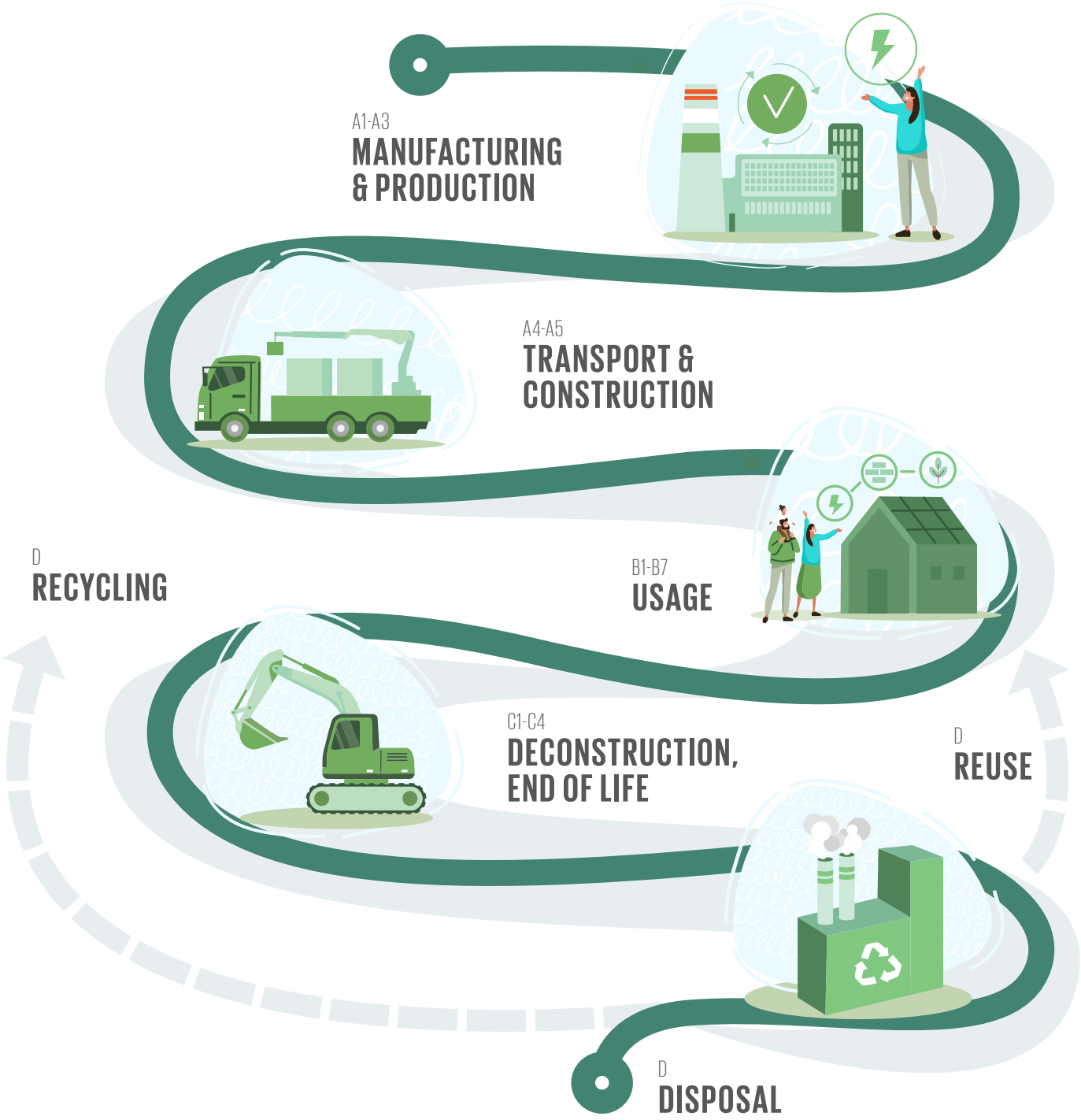
An LCA (Life Cycle Assessment) is a method used to calculate the environmental impact of a product or service across its entire lifespan (from raw material extraction to manufacturing, use, and disposal).

WHAT IS AN EPD?

An EPD (Environmental Product Declaration) is a standardized, **third-party verified document** that summarises the results of an LCA so consumers and businesses can fairly compare the environmental impact of different products.

HOW DO YOU COMPARE AN EPD?

Comparing an Environmental Product Declaration (EPD) requires verifying the comparison is on a life-for-like basis, considering the declared unit, product type, life-cycle stages, methodology, and data quality. Other points of consideration include whether the EPD is product-specific, site-specific, range-based, or averaged.



BUILDING A MORE SUSTAINABLE FUTURE.

At Forterra, sustainability is at the core of what we do. Our independently verified Environmental Product Declarations (EPDs) provide clear, transparent data on the environmental performance of our products throughout their lifecycle.

Whether you're specifying materials, designing buildings, or delivering construction projects, our EPDs provide the trusted environmental information you need to make informed, sustainable choices.

MEASHAM
BODY A PRODUCT GROUP

KEY INFORMATION

Factory	Measham
Postcode	DE12 7EL
Manufacturing Process	Soft Mud
Period of Data	01.01.2022 – 31.12.2022

EPD Valid Until	11.12.2030
Declared Unit	1Tonne
65mm Brick Weight	2.26kg

ENVIRONMENTAL IMPACT TABLES

The results in the Environmental Impact tables are expressed per tonne. The tables below allow for scaling the data to the desired metric for A1-A3. The tables are based on a brick weight of 2.26kg and 60 bricks per m^2.

Brick Body A	
Brick weight	2.26
Tonne to m^2 CF	0.135

	Kg CO_2		
	Per tonne	**Per 000**	**Per m^2**
A1-A3	182	411	24.7
A1-A5	205	462	27.7
A1-C4	211	476	28.6
A1-D	200	451	27.1

PRODUCTS INCLUDED IN THIS EPD

The table below indicates the bricks included in Measham product group A. This list is not exhaustive as other bricks with the same constituent materials may be added to the range over the life of this EPD.

Product Code	**Brick Name**
SMEAARE1600VO	Atherstone Red
SMEAAUG1600VO	Autumn Glow
SMEABAM1600VO	Bamford Blend
SMEACMS1600VO	Canterbury Multi Stock
SMEACSR1600VO	Chelsea Smoked Red
SMEACHE1600VO	Chertsey Antique Blend
SMEAHRB1600VO	Hampton Rural Blend
SMEAMEO1600VO	Medway Orange
SMEAORS1600VO	Oakthorpe Red Stock
SMEASLM1600VO	St Lawrence Mellow



MEASHAM
BODY F PRODUCT GROUP

KEY INFORMATION

Factory	Measham
Postcode	DE12 7EL
Manufacturing Process	Soft Mud
Period of Data	01.01.2022 – 31.12.2022

EPD Valid Until	08.07.2031
Declared Unit	1 Tonne
65mm Brick Weight	2.15kg

ENVIRONMENTAL IMPACT TABLES

The results in the Environmental Impact tables are expressed per tonne. The tables below allow for scaling the data to the desired metric for A1-A3. The tables are based on a brick weight of 2.15kg and 60 bricks per m^2.

Brick Body F	
Brick weight	2.15
Tonne to m^2 CF	0.129

	Kg CO_2		
	Per tonne	**Per 000**	**Per m^2**
A1-A3	204	439	26.3
A1-A5	228	490	29.4
A1-C4	234	504	30.2
A1-D	223	480	28.8

PRODUCTS INCLUDED IN THIS EPD

The table below indicates the bricks included in Measham product group F. This list is not exhaustive as other bricks with the same constituent materials may be added to the range over the life of this EPD.

Product Code	**Brick Name**
SMEAARM1600VO	Atherstone Red Multi
SMEAAGM1600VO	Autumn Glow Multi
SMEAORM1600VO	Oakthorpe Red Multi
SMEAWES1600VO	Westcroft Red Multi



MEASHAM
BODY G PRODUCT GROUP

KEY INFORMATION

Factory	Measham
Postcode	DE12 7EL
Manufacturing Process	Soft Mud
Period of Data	01.01.2022 – 31.12.2022

EPD Valid Until	08.07.2031
Declared Unit	1 Tonne
65mm Brick Weight	2.25kg

ENVIRONMENTAL IMPACT TABLES

The results in the Environmental Impact tables are expressed per tonne. The tables below allow for scaling the data to the desired metric for A1-A3. The tables are based on a brick weight of 2.25kg and 60 bricks per m^2.

Brick Body G	
Brick weight	2.25
Tonne to m^2 CF	0.135

	Kg CO_2		
	Per tonne	**Per 000**	**Per m^2**
A1-A3	181	407	24.4
A1-A5	204	458	27.5
A1-C4	210	472	28.3
A1-D	199	447	26.8

PRODUCTS INCLUDED IN THIS EPD

The table below indicates the bricks included in Measham product group G. This list is not exhaustive as other bricks with the same constituent materials may be added to the range over the life of this EPD.

Product Code	**Brick Name**
SMEAARD1600VO	Ardleigh Yellow Stock
SMEABGB1600VO	Belgravia Gault Blend
SMEACTC1600VO	Cathedral Cream
SMEAKEN1600VO	Kensington Cream



ACCRINGTON
PERFORATED BRICKS PRODUCT GROUP

KEY INFORMATION

Factory	Accrington
Postcode	BB5 6NR
Manufacturing Process	Wirecut (Extruded)
Period of Data	01.01.2022 – 31.12.2022

EPD Valid Until	16.03.2031
Declared Unit	1 Tonne
65mm Brick Weight	2.41kg

ENVIRONMENTAL IMPACT TABLES

The results in the Environmental Impact table are expressed per tonne. The tables below allow for scaling the data to the desired metric for 65mm perforated bricks across A1-A3. The tables are based on a brick weight of 2.41kg and 60 bricks per m^2.

Perforated	
Brick weight	2.41
Tonne to m^2 CF	0.145

	Kg CO_2		
	Per tonne	**Per 000**	**Per m^2**
A1-A3	202	487	29.2
A1-A5	226	544	32.6
A1-C4	232	559	33.5
A1-D	221	533	32.0

PRODUCTS INCLUDED IN THIS EPD

The table below indicates the bricks that are included in the Accrington 65mm perforated brick group. This list is not exhaustive as other bricks with the same constituent materials may be added to the range over the life of this EPD.

Product Code	**Brick Name**
SACCABL1600VO	Abbey Blend
SACCABR1600VO	Abbey Red Multi
SACCABW1600VO	Abbey Weathered Red
SACCBMR1600VO	Breckland Multi Reserve
SACCCWM1600VO	Chatsworth Multi
SACCCDM1600VO	Chidwell Multi
SACCCLB1600VO	Class B Engineering Perforated
SACCFRM1600VO	Farmstead Antique
SACCFLM1600VO	Fulwood Multi
SACCGRA1600VO	Granite Ash Grey
SACCHAR1600VO	Harthill Red
SACCHEM1600VO	Heather Multi
SACCLNR1600VO	Langwith Red Rustic
SACCMER1600VO	Meadow Red
SACCOCB1600VO	Ochre Brown
SACCQBL1600VO	Queens Blend
SACCROS1600VO	Rossendale Red Smooth
SACCRRE1600VO	Russett Mixture
SACCSOM1600VO	South Down Multi
SACCWER1600VO	Wentworth Reserve
SACCWOO1600VO	Woodside Mixture
SACCWBR1600VO	Woodstock Blend Reserve
SACCYRB1600VO	Yorkshire Red Blend

ACCRINGTON
SOLID BRICKS PRODUCT GROUP

KEY INFORMATION

Factory	Accrington
Postcode	BB5 6NR
Manufacturing Process	Wirecut (Extruded)
Period of Data	01.01.2022 – 31.12.2022

EPD Valid Until	16.03.2031
Declared Unit	1 Tonne
65mm Brick Weight	3.18kg

ENVIRONMENTAL IMPACT TABLES

The results in the Environmental Impact table are expressed per tonne. The tables below allow for scaling the data to the desired metric 65mm solid bricks across A1-A3. The tables are based on a brick weight of 3.18kg and 60 bricks per m^2.

Solid	
Brick weight	3.18
Tonne to m^2 CF	0.191

	Kg CO_2		
	Per tonne	**Per 000**	**Per m^2**
A1-A3	202	642	38.5
A1-A5	226	717	43.0
A1-C4	232	737	44.2
A1-D	221	704	42.2

PRODUCTS INCLUDED IN THIS EPD

The table below indicates the bricks that are included in the Accrington 65mm solid brick group. This list is not exhaustive as other bricks with the same constituent materials may be added to the range over the life of this EPD.

Product Code	**Brick Name**
SACCCBS1600VO	Class B Solid



KIRTON
BODY A & B PRODUCT GROUPS

KEY INFORMATION

Factory	Kirton
Postcode	NG22 9LG
Manufacturing Process	Wirecut (Extruded)
Period of Data	01.01.2022 – 31.12.2022

EPD Valid Until	09.04.2031
Declared Unit	1 Tonne
65mm Brick Weight	2.02kg

ENVIRONMENTAL IMPACT TABLES

The results in the Environmental Impact tables are expressed per tonne. The tables below allow for scaling the data to the desired metric for A1-A3. The tables are based on a brick weight of 2.02kg and 60 bricks per m^2.

Brick Body A and B	
Brick weight	2.02
Tonne to m^2 CF	0.121

	Kg CO_2		
	Per tonne	**Per 000**	**Per m^2**
A1-A3	200	404	24.2
A1-A5	225	454	27.2
A1-C4	236	476	28.6
A1-D	224	451	27.1

PRODUCTS INCLUDED IN THIS EPD

The table below indicates the bricks included in product groups A and B. This list is not exhaustive as other bricks with the same constituent materials may be added to the range over the life of this EPD.

Product Code	**Brick Name**
SKIRAYM1600VO	Ashwell Yellow Multi
SKIREDD1600VO	Edwardian Dragfaced
SKIRKRM1600VO	Kimbolton Red Multi
SKIRKAR1600VO	Kirton Arden Red
SKIRLCR1600VO	Lindum Cottage Red Multi
SKIRRBM1600VO	Rufford Buff Multi
SKIRRUR1600VO	Rufford Red Multi
SKIRSBM1600VO	Sherwood Buff Mixture
SKIRSRM1600VO	Sherwood Red Mixture
SKIRVOB1600VO	Village Oatmeal Buff Multi
SKIRVHG1600VO	Village Honey Gold
SKIRVRR1600VO	Village Russet Red Mixture
SKIRVIS1600VO	Village Sunglow

KIRTON
BODY C PRODUCT GROUP

KEY INFORMATION

Factory	Kirton
Postcode	NG22 9LG
Manufacturing Process	Wirecut (Extruded)
Period of Data	01.01.2022 – 31.12.2022

EPD Valid Until	16.10.2030
Declared Unit	1 Tonne
65mm Brick Weight	2.02kg

ENVIRONMENTAL IMPACT TABLES

The results in the Environmental Impact tables are expressed per tonne. The tables below allow for scaling the data to the desired metric for A1-A3. The tables are based on a brick weight of 2.02kg and 60 bricks per m^2.

Brick Body C	
Brick weight	2.02
Tonne to m^2 CF	0.12102

	Kg CO_2		
	Per tonne	**Per 000**	**Per m^2**
A1-A3	182	367	22.0
A1-A5	206	415	24.9
A1-C4	213	430	25.8
A1-D	201	405	24.3

PRODUCTS INCLUDED IN THIS EPD

The table below indicates the bricks included in Kirton product group C. This list is not exhaustive as other bricks with the same constituent materials may be added to the range over the life of this EPD.

Product Code	**Brick Name**
SKIRBRU1600VO	Brown Rustic
SKIRNRR1600VO	Nottingham Red Rustic
SKIRYRR1600VO	Yorkshire Red Reserve
SKIRLCR1600VO	Lindum Cottage Red Multi
SKIRCLR1600VO	Clumber Red
SKIRCLX1600VO	Clumber Red Mixture
SKIRBUR1600VO	Burghley Red Rustic



KIRTON
BODY D PRODUCT GROUP

KEY INFORMATION

Factory	Kirton
Postcode	NG22 9LG
Manufacturing Process	Wirecut (Extruded)
Period of Data	01.01.2022 – 31.12.2022

EPD Valid Until	08.07.2031
Declared Unit	1 Tonne
65mm Brick Weight	2.03kg

ENVIRONMENTAL IMPACT TABLES

The results in the Environmental Impact tables are expressed per tonne. The tables below allow for scaling the data to the desired metric for A1-A3. The tables are based on a brick weight of 2.03kg and 60 bricks per m^2.

Brick Body D	
Brick weight	2.03
Tonne to m^2 CF	0.1215

	Kg CO_2		
	Per tonne	**Per 000**	**Per m^2**
A1-A3	201	407	24.4
A1-A5	226	457	27.4
A1-C4	237	480	28.8
A1-D	225	455	27.3

PRODUCTS INCLUDED IN THIS EPD

The table below indicates the bricks included in Kirton product group D. This list is not exhaustive as other bricks with the same constituent materials may be added to the range over the life of this EPD.

Product Code	**Brick Name**
SKIRKRM1600VO	Kimbolton Red Multi
SKIROEM1600VO	Old English Mixture Rustic
SKIROER1600VO	Old English Rose Rustic
SKIRVHG1600VO	Village Honey Gold



DESFORD
BRICKS PRODUCT GROUP

DESFORD BRICK EPD DATA

As a newly commissioned manufacturing facility, the Desford plant is currently undergoing the normal production stabilisation period associated with new brick plants. During this phase, representative operational data is not yet available to support the preparation of an Environmental Product Declaration (EPD).

An EPD will be published once production has stabilised and sufficient verified data has been collected in accordance with the relevant programme requirements.

For further information, please contact us **Technical Team on 0330 123 1017.**



FORTERRA

FOR FURTHER INFORMATION OR TECHNICAL QUESTIONS, PLEASE CONTACT US.

Call our Technical Team on 0330 123 1017
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