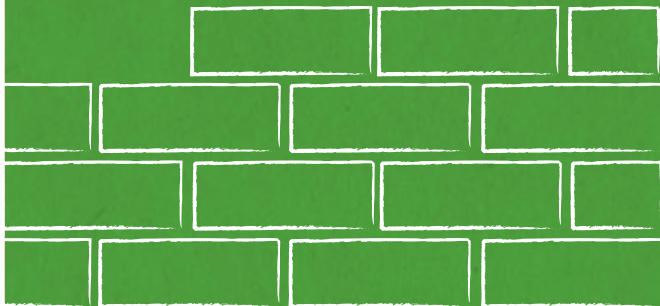


# BRICK: BUILDING A SUSTAINABLE RESOURCE FOR THE FUTURE



## **BRICKS HAVE BEEN A PRINCIPAL PART OF THE UK'S BUILDING MATERIALS SINCE ROMAN TIMES.**

THE BRICK, WITH ITS LONG LIFE, DURABILITY AND RESISTANCE TO THE BRITISH WEATHER IS UNIQUELY PLACED TO PROVIDE GOOD ENCLOSURE AND WHEN USED ON THE INNER AND OUTER LEAF OF A BUILDING OFFERS EXCELLENT THERMAL MASS – ESSENTIAL REQUIREMENTS FOR SUSTAINABILITY.

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**BRICK IS STRATEGICALLY IMPORTANT TO THE WIDER ECONOMY. MORE THAN**



**OF HOUSES ARE BUILT USING BRICK & BLOCK.**



**OF PEOPLE ASKED IN 2010\* WANTED TO LIVE IN A BRICK & BLOCK CONSTRUCTED HOUSE.**

Every **£1 invested in construction generates £2.84** in economic activity with 92p of every £1 spent on construction retained in the UK.

\*Survey conducted by Concrete Block Association (CBA) and Modern Masonry Alliance (MMA) in 2010

**Brick is flexible in size and usage.** Brickwork can be adapted as a building changes use. **Entire brick buildings can be reused** or adapted to suit changing requirements.

**Brick is a creative and innovative material, available in a wide variety of colours, textures, finishes and sizes. New product developments range from thin joint mortar systems, clay thermal blocks and brick slip systems.**

**BRICK STRUCTURES HAVE AN**

**A+**

This demonstrates that sustainability is not just about the use of carbon-free materials but about the **total impact of a product over its life.**

**RATING AWARDED BY THE BUILDING RESEARCH ESTABLISHMENT'S (BRE) GREEN GUIDE.**

**BRICK HAS BEEN AROUND FOR**

**1000's**

**OF YEARS. WITH MANY ELEMENTS OF PAST BRICK BUILDINGS STILL STANDING TODAY, BRICK IS ONE OF THE ONLY TRULY TRIED AND TESTED MATERIALS KNOWN TO MAN.**

**As a low maintenance material brick lasts indefinitely,** no regular maintenance is required.

The **brick industry employs 4000 people directly** and **4000 indirectly** through ancillary industries such as transportation and brick layers.

**OVER 85%**

OF UK BRICK OUTPUT  
IS CERTIFIED TO

**BS EN ISO 14001**

WITH THE MAJORITY OF THE  
BRICK INDUSTRY WORKING  
TO AN ENVIRONMENTAL  
MANAGEMENT SYSTEM

THE INDUSTRY  
RESOURCES  
RESPONSIBLY WITH  
THE MAJORITY OF  
MANUFACTURERS  
MEETING THE  
REQUIREMENTS OF  
**BS 6001**

BRICKS ARE  
MANUFACTURED  
USING LOCAL  
RESOURCES AND  
SUPPLY THE LOCAL  
COMMUNITY IN WHICH  
THEY ARE MADE – ON  
AVERAGE BRICKS ARE  
DELIVERED WITHIN AN



**MILE RADIUS**

IN 2010 THE  
INDUSTRY RECYCLED

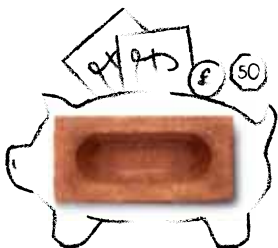
**37.4%**

OF THE WATER  
USED IN THE  
PRODUCTION PROCESS.



There is minimal waste  
during production,  
on-site and in packaging.  
In **2010 the brick  
industry disposed of  
just 0.16%** of product  
manufactured to landfill  
as waste material.

# BRICK IS THE MOST COST- EFFECTIVE MATERIAL



COMPARED TO ANY OF ITS RIVALS  
AS DEMONSTRATED BY RESEARCH  
UNDERTAKEN BY THE ROYAL  
INSTITUTION OF CHARTERED  
SURVEYORS (RICS)\*\*

\*\* Research entitled 'The Cost of Comparative Cladding Materials' by the RICS Building Cost Information Service (BCIS) in December 2007

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The contribution of CO<sub>2</sub> **emissions per m<sup>2</sup> of brickwork over 12 months, based on an expected average life of 150 years is 0.000186 tonnes CO<sub>2</sub>/m<sup>2</sup>/annum.**

**The embodied carbon for brick is 0.244 tonnes of CO<sub>2</sub> per tonne of bricks (quarry to site).**

Based on a typical 2 bedroom end of terrace home this equates to less than 15kg of CO<sub>2</sub> per year over 150 years.

**Bricks have been given an Ecopoint rating of 1.07** (cradle to gate) Building Research Establishment (BRE).

Over the last five years the Industry has spent **£154 million investing in plant and machinery.**

**Brick** can achieve all levels of the Code for Sustainable Homes and **fulfils all the requirements of Part L 2010.**

THE CURRENT LEVEL OF MATERIALS FOR ALTERNATIVE RECYCLED AND SECONDARY SOURCES IN THE MANUFACTURE OF CLAY BRICKS IS 11% WITH SOME **BRICKS USING MORE THAN 90% OF RECYCLED MATERIAL** (CERAM 2010).



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### **Mixed Sources**

Product group from well-managed forests and other controlled sources  
[www.fsc.org](http://www.fsc.org) Cert no. SCS-COC-00867  
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