



SUSTAINABILITY



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- **Sustainable Resource**
 - Everlasting Colours
 - Energy Efficiency
 - Environmentally Healthy
 - Extended Lifespan
 - Fire Resistance
 - Low Embodied Energy
 - Noise Reduction
 - On-Site Affordability
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 - Thermal Mass
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 - Versatility
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- Sustainable Manufacture
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Enduring Strength. Unsurpassed Life Cycle

Crammix Clay Bricks are known for their strength, durability and low maintenance, which make them ideal for sustainable buildings. Our clay face, pavers, plaster and special shaped bricks are renowned for their thermal and acoustic insulation properties, and long life expectancy.

As one of the most solid, permanent, reliable, low maintenance building materials of all times, we abide to the clay brick tradition with products that feature high dimensional stability, low deformation values and compressive strength. All Crammix Clay Brick products meet specified tolerances and strengths, required for load bearing.

Everlasting Colours

Crammix Bricks are made from local clays that have their own distinctive colour. This intrinsic colour is retained throughout the life cycle of the product, giving you peace of mind that your face brick building or paving surface will not fade, but only look better over time.

Energy Efficiency

Most of the energy consumed by a building is used on heating and cooling. This demand can be substantially reduced through the use of thermally efficient building materials that offer a high level of thermal comfort.

Crammix Clay Bricks have high thermal mass, which mean they have an ability to absorb heat by day and then release it back into the atmosphere at night. This ensures the moderation of internal temperatures, resulting in lower energy consumption and reduced costs of heating and cooling.

Environmentally Healthy

As a product of mother-earth, clay bricks are by nature environmentally friendly. They are also completely inert, which means they do not release any volatile organic compounds (VOCs), in the form of toxic chemical or gas emissions. The result is a cleaner and healthier atmosphere.

Extended Lifespan

The lifespan of brick extends well beyond 100 years. An international survey of 900 homes found that clay brick structures can have a lifespan in excess of 500 years.

Fire Resistance

Crammix Clay Bricks are incombustible and do not contribute to the start, spread or intensity of fires. As a matter of fact, the high density of fired clay bricks will provide resistance of up to 240 minutes - a limit that far exceeds any other building material out there.

Low Embodied Energy

We pride ourselves on producing clay bricks with low embodied energy, i.e., the amount of energy required to manufacture and supply products up to the point of use. 'Recent research shows that the proportion of embodied energy of clay bricks for a modern semi-detached property represents just 1.87% of the total heating requirement over a lifespan of 150 years.' (Thinkbrick. BDA)

Noise Reduction

Exceptional acoustic insulation properties provide a natural barrier to the transmission of sound thus limiting the spread of noise throughout the building.

On-Site Affordability

Building with a Crammix Clay Brick ensures peace of mind. Seldom do they become too wet to work with, which means builders and developers gain from faster and more efficient construction and significant savings on time and labour too.

Reduced Carbon Footprint

We aim to reduce our footprint through the use of local resources, recycling of waste and delivering products with a long life span and optimal performance. The close proximity of our quarries to the brick making plant also facilitates a reduction in transport costs and carbon emissions.

Recyclability

As a product of 'mother earth' Crammix Clay Bricks are crushed and returned to earth, or recycled for other reuse in roads, sub-bases and ready mix concrete. Not only do these recycled clay bricks contribute towards embodied energy savings, they also extend the life cycle of this material.

Thermal Mass

Crammix clay bricks have a natural ability to retain heat energy. Their high thermal mass allows for internal building temperatures to be regulated, resulting in increased occupancy comfort and reduced energy savings.

The thermal performance of a Crammix Clay Brick can be likened to that of a thermal battery. Large amounts of heat energy can be absorbed and stored during the day and then distributed back into the building throughout the night, creating a thermal lag effect. This ensures the moderation of internal temperatures relative to external temperatures swings experienced during summer and winter, resulting in lower energy consumption and the need for artificial heating and cooling mechanisms.

Value Retention

Buildings constructed from Crammix Clay Bricks are designed to last for generations. Clay brick buildings require very little maintenance to retain their structural integrity and preserve their original look. This enhances their desirability to future owners.

Versatility

Clay brick is a natural complement to other building materials like stone and timber. Crammix Clay Bricks come in a variety of colours, shapes, and textures to meet various architectural and landscaping creations.

Weatherproof

Crammix Clay Bricks are highly water-resistant and impervious to all forms of weather conditions. They comprise of a fine capillary pore system which absorbs moisture from rain or water vapour and then releases it back into the atmosphere. Hence, a clay brick wall which has become damp will dry out as quickly as it becomes moist.

Peace of Mind

Our customers benefit from peace of mind that their property investment, constructed with a high performance material like Crammix Clay Bricks is guaranteed to last.