



## **Policy:**

Island Block & Paving produce a unique range of bricks, retaining wall blocks, concrete building blocks, weed free paving, patented retaining wall systems and landscape products. Island Block & Paving is committed to manufacturing environmentally responsible and sustainable product, in a safe efficient manner where it is reasonable and practicable to do so.

This Environmental policy outlines the strategies, actions and measures that Island Block & Paving company shall apply to:

- Reduction of energy consumption and emissions.
- Conservation of resources.
- Achievement of clean production processes.
- Production of sustainable products.
- Ensure the health and safety our employees and the wider community.

## **Sustainable Products:**

Island Block & Paving produces a range of environmentally friendly, sustainable building products known as the “Sustainable Products for the Future” range. These products include bricks, retaining wall blocks, building blocks and pavers. All these products include 40% recycled container glass aggregates as a replacement for natural aggregates, recycling conserve natural resources, reduce cement consumption, reduce emissions and energy footprints as well as increase the beneficial reuse of waste materials.

Benefits from incorporating post–consumer recycled materials:

- Reduced landfill.
- Reducing the resources and energy required to source new materials.
- Conserving natural aggregates.
- Reducing total Portland cement usage therefore reducing carbon dioxide emissions.

## **Product Stewardship:**

“Product stewardship is an approach to waste management that allows organisations to take greater responsibility for reducing the environmental and human health impacts of their products. Product stewardship is a crucial element in meeting Australia’s recycling and waste management challenges. Each step in the life cycle of a product, from design to post-consumer management, can result in waste and sometimes human health impacts. By adopting product stewardship approaches, organisations have more control over the environmental and health impacts of manufactured goods and materials across their whole life cycle, from design and manufacture to use and disposal”.

## **Natural Aggregate Substitutes:**

The IBP production process allows for the use of substitute aggregates such as post-consumer recycled container glass which is derived from kerbside recycling and then crushed into aggregate as a direct replacement for natural aggregates such as quartz sand and/or metal dust in the IBP manufacturing process.

Signed: Jason Bassett

Date: 16/03 /2022

Jason Bassett: General Manager



## ENVIRONMENTAL POLICY

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IBP-P03

### **Cement Reduction:**

Due to extra strength gains achieved by using recycled glass aggregate; cement is reduced for all products marketed as “Sustainable Products for the Future” by 10%. IBP is continually striving to integrate further efficiencies to all products produced. With the introduction of Ground Slag (GGBFS) within some products a further reduction of cement by up to 25% is achieved.

### **Water Minimization:**

100% of water used in manufacture of IBP products is captured or reclaimed water.

### **Natural Curing:**

IBP use natural curing to cure 100% of manufactured products. The curing kilns are fully insulated to ensure minimal heat loss, this combined with the heat generated by the cement rehydrating in the curing process, minimizes the need for carbon generating power.

**REFERENCE:** Island Block and Paving Quality Management System.

Signed: Jason Bassett

Date: 16/03 /2022

Jason Bassett: General Manager