

## DATA SHEET: BLACKDOWN BIO-DIVERSE SUBSTRATE – Bio-diverse Mix (BD2)

### DESCRIPTION:

A Bio-diverse substrate based environment is used to offer a habitat in synchronisation with the surrounding local area, offering ideal conditions for colonisation by neighbouring plant and animal species.

### COMPOSITION:

Our Bio-diverse material is composed of recycled 14-5mm crushed brick, fine grade 10mm topsoil (certified to BS 3882) and 10mm composted recycled material (certified to PAS 100).

Loose Bulk Density = 1000kg per m<sup>3</sup>

P.H Value = 7- 8

The material can be supplied in loose bulk tippers, 1.25m<sup>3</sup> bulk bags, and 25kg sacks.

Both the top soil and compost used meet strict soil association standards, and certification can be acquired on request. The recycled brick element is a by-product or second of the brick manufacturing process and therefore contains no demolition waste. A number of different clay types are used in the manufacturing process, these include Etruria Marls and Fireclay, below are typical analyses of the clays and marls used in production of crushed bricks:

| CHEMICAL ANALYSIS              | Etruria Marls<br>% | Fireclay<br>% |
|--------------------------------|--------------------|---------------|
| SiO <sub>2</sub>               | 59.51              | 70.20         |
| TiO <sub>2</sub>               | 1.12               | 1.07          |
| Al <sub>2</sub> O <sub>3</sub> | 19.01              | 18.30         |
| Fe <sub>2</sub> O <sub>3</sub> | 8.89               | 1.42          |
| CaO                            | 0.55               | 0.15          |
| MgO                            | 1.27               | 0.55          |
| K <sub>2</sub> O               | 1.63               | 1.67          |
| Na <sub>2</sub>                | 0.23               | 0.10          |
| Loss on Ignition               | 7.05               | 5.95          |

### SAFETY DATA

In the condition sold, the product does not present a hazard to health. The products are not required to carry a hazard label under the chemicals (Hazard information and packaging for supply) Regulations 1994 (CHIP 2). When chipped, brick particles can cause damage to the eyes. Eye protection to B.S. EN 166 should be worn.

When products are mechanically crushed, respirable dust will be produced which can contain silica (quartz). Engineering control measures should be employed to keep airborne dust to a minimum. If adequate local exhaust ventilation equipment is not provided, dust masks, or their equivalent, to type FFP2 should be worn.

### FIRE

There are no direct risks of fire or explosion from this product.

### OFF-LOADING

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Ensure that the lifting equipment is suitable and will carry the weight.

**FIRST AID**

Where particles enter the eye, irrigate well with copious amounts of clean water. Seek medical attention, if necessary.

Inhalation of dust, remove to fresh air and seek medical attention, if necessary.

**DISPOSAL**

Waste from clay brick is easy to handle, non-toxic and inert. However, its storage and disposal should be carried out in accordance with section 34 of the Environmental Protection Act: Waste Management – The Duty of Care.

***This information is offered for guidance purposes only.  
No warranty is implied or given.***

**END**