

## TECHNICAL DATA SHEET

Product: Alreflex ZebraFloor Infill Plank  
Issue Number: 01  
Issue Date: Sept 2021

### Product Information

#### **Description**

Alreflex ZebraFloor Infill Planks are rigid expanded polystyrene boards; laminated with a single layer of polythene bubble sheet, faced with low-emissive aluminium foil protected by a thin NC coating.

#### **Application**

For use between concrete beams as part of the Alreflex ZebraFloor insulated beam & block floor system.

#### **Appearance & Packaging**

Supplied in boards, stock sizes :

0.44m x 1.2m

#### **Physical Properties**

|                    |                               |               |
|--------------------|-------------------------------|---------------|
| Standard Thickness | : 100mm                       |               |
| Density            | : 18 – 20 kg/m <sup>3</sup>   | (BS EN 13163) |
| Bending Strength   | : 150 kPa                     | (BS EN 13163) |
| Compressive Stress | : 100 kPa (@ 10% deformation) | (BS EN 13163) |

|  |                               |               |
|--|-------------------------------|---------------|
| Water Vapour Resistance of bubble/foil | : 125MN · s/g                 |               |
| Water Vapour Permeability of EPS       | : 0.009 – 0.020 mg/Pa · h · m |               |
| Vapour Diffusion Factor (μ)            | : 30 – 70                     | (BS EN 13163) |

#### **Thermal Performance**

|                                 |                            |               |
|---------------------------------|----------------------------|---------------|
| Foil Emissivity                 | : 0.03                     |               |
| Resistance of bubble/foil       | : 0.10m <sup>2</sup> · K/W |               |
| Thermal Conductivity of EPS (λ) | : 0.035 W/m · K            | (BS EN 13163) |

If you require any further technical information please contact our Technical Department on 01582 544255.

## **Environmental Data**

BRE Green Guide Rating : A+

Global Warming Potential : < 5

Ozone Depletion Potential : 0