

## CELOTEX PL4000

### Description

**CELOTEX PL4000** is a rigid thermal insulation board made of polyisocyanurate (PIR) foam. The boards are provided with a paper facing, laminated on one side to a piece of 12,5 mm tapered edge plasterboard. **CELOTEX PL4000** is mainly used as thermal insulation in roof and internal wall lining applications.

### Packing & Storage

| Thickness (mm) | Boards/<br>pallet | m <sup>2</sup> /pallet | Thermal resistance (R <sub>D</sub> )<br>(m <sup>2</sup> .K/W) <sup>1</sup> |
|----------------|-------------------|------------------------|--|
| 25+12,5        | 52                | 149,8                  | 1,20   |
| 40+12,5        | 44                | 126,7                  | 1,85   |
| 50+12,5        | 36                | 103,7                  | 2,30   |
| 60+12,5        | 32                | 92,2                   | 2,75   |
| 65+12,5        | 28                | 80,6                   | 3,00   |

<sup>1</sup> Value determined on total board

Store the boards on a flat surface, keep dry and protected from sunlight.

### Characteristics

|  |                |  |
|--|----------------|--|
| Thermal conductivity insulation - $\lambda_D$ (W/(m.K)) (EN 12667)         | 25 ≤ d ≤ 65 mm | 0,022                                      |
| Length (mm) (EN 822)   |                | 2400 ± 10                                  |
| Width (mm) (EN 822)  |                | 1200 ± 7,5                                 |
| Thickness tolerance - d <sub>N</sub> (mm) (EN 823)                         |                | d <sub>N</sub> ± 3                         |
| Density (kg/m <sup>3</sup> )   |                | NPD  |
| Edge profile   |                | straight with tapered edge<br>plasterboard |
| Compressive strength at 10% deformation (kPa) (EN 826)                     |                | NPD  |
| Dimensional stability (%) (EN 1604)  |                | NPD  |
| Long term water absorption by total immersion (%) (EN 12087)               |                | NPD  |
| Reaction to fire (EN 13501-1)  |                | B-s1, d0                                   |
| Water vapour diffusion resistance - $\mu$ (EN 12086)                       |                | NPD  |
| Tensile strength perpendicular to faces (kPa) (EN 1607)                    |                | NPD  |
| Durability of compressive creep against ageing/degradation (kPa) (EN 1606) |                | NPD  |

NPD = no performance determined

### Installation

Always consult the local regulations and contact the manufacturer for technical questions. Immediately after installation the insulation boards must be protected against weather conditions and sunlight.

### Certifications

- **BBA 16/5357 (UK)**

### Special indications

#### Hygiene, Health and Environment

The product does not contain any substance which is likely to be detrimental to your health or to the environment and complies with generally admitted Health and Safety Requirements.

#### Quality-, Environment- and Safety Management

**SOPREMA** always recognises as a high level of importance the quality of the products, the environment and safety. For this reason, we operate independently monitored Quality and Environment Assurance Systems in line with **EN ISO 9001** and **EN ISO 14001**.

**SOPREMA** reserves the right to amend the composition of its material and consequently their prices, without prior notice. For this reason, all orders will be accepted only in accordance with the conditions and technical specifications in force at the date of order.

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