

# SOPRATHERM XR4000

## Description

**SOPRATHERM XR4000** is a rigid thermal insulation board made of polyisocyanurate (PIR) foam. The boards are provided on both sides with a low emissivity aluminium composite foil facing.

**SOPRATHERM XR4000** is mainly used as thermal insulation in roof, wall and floor applications.

## Packing & Storage

| Thickness (mm) | Boards/ pack | m <sup>2</sup> /pack | Boards/ pallet | m <sup>2</sup> /pallet | Thermal resistance (R <sub>0</sub> ) (m <sup>2</sup> .K/W) |
|----------------|--------------|----------------------|----------------|------------------------|------------------------------------------------------------|
| 110            | 2            | 5,8                  | 20             | 57,6                   | 5,00                                                       |
| 120            | 2            | 5,8                  | 20             | 57,6                   | 5,45                                                       |
| 130            | 3            | 8,6                  | 18             | 51,8                   | 5,90                                                       |
| 140            | 2            | 5,8                  | 16             | 46,1                   | 6,35                                                       |
| 150            | 2            | 5,8                  | 16             | 46,1                   | 6,80                                                       |
| 165            | 2            | 5,8                  | 12             | 34,6                   | 7,50                                                       |
| 200            | 2            | 5,8                  | 12             | 34,6                   | 9,05                                                       |

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

## Characteristics

|                                                                            |                  |                          |
|----------------------------------------------------------------------------|------------------|--------------------------|
| Thermal conductivity - $\lambda_D$ (W/(m.K)) (EN 12667)                    | 110 ≤ d ≤ 200 mm | 0,022                    |
| Length (mm) (EN 822)                                                       |                  | 2400 ± 10                |
| Width (mm) (EN 822)                                                        |                  | 1200 ± 7,5               |
| Thickness tolerance - d <sub>N</sub> (EN 823)                              |                  | T2                       |
| Density (kg/m <sup>3</sup> )                                               |                  | NPD                      |
| Edge profile                                                               |                  | straight                 |
| Compressive strength at 10 % deformation (kPa) (EN 826)                    |                  | CS(10Y)140               |
| Dimensional stability (%) (EN 1604)                                        |                  | DS(70,90)3<br>DS(-20,-)1 |
| Long term water absorption by total immersion (%) (EN 12087)               |                  | NPD                      |
| Reaction to fire (EN 13501-1)                                              |                  | F                        |
| 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

See certificate(s) for more information about the products, systems and specifications:

- BBA 25/7318 PS1/2/3 (UK)

- BBA 25/7329 PS1 (UK)

Contact Soprema for more information.

## 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.

Contact: [www.soprema.com](http://www.soprema.com)