

## TECHNICAL DATASHEET



## **XPS SL ARTIC**

## **Description**

**XPS SL ARTIC** is a rigid thermal insulation board made of extruded polystyrene (XPS) foam with improved  $\lambda$ . **XPS SL ARTIC** is mainly used as thermal insulation including flat and pitched roofs, floors and underground constructions. On flat roofs the system must be ballasted.

## **Packing & Storage**

| Thickness (mm) | Boards/pack | m²/pack | Boards/pallet <sup>(1)</sup> | m²/pallet <sup>(1)</sup> | Thermal resistance (R <sub>D</sub> )<br>(m <sup>2</sup> .K/W) |
|----------------|-------------|---------|------------------------------|--------------------------|---|
| 30             | 14          | 10,50   | 168                          | 126,0                    | 1,05  |
| 40             | 10          | 7,50    | 120                          | 90,0                     | 1,40  |
| 50             | 8           | 6,00    | 96                           | 72,0                     | 1,75  |
| 60             | 7           | 5,30    | 84                           | 63,0                     | 2,10  |
| 80             | 5           | 3,80    | 60                           | 45,0                     | 2,75  |
| 100            | 4           | 3,00    | 48                           | 36,0                     | 3,45  |
| 120            | 3           | 2,25    | 42                           | 31,5                     | 4,15  |
| 140            | 3           | 2,25    | 36                           | 27,0                     | 4,80  |
| 160            | 2           | 1,50    | 32                           | 24,0                     | 5,50  |
| 180            | 2           | 1,50    | 28                           | 21,0                     | 5,80  |
| 200            | 2           | 1,25    | 24                           | 15,0                     | 6,45  |

<sup>(1)</sup> In addition to the default pallet, there is also a "jumbo" pack, composed of 2x2 pallets.

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

#### **Characteristics**

| Thermal conductivity (W/(m.K)) (EN 12667)         | 30 - 160 mm  | 0,029       |
|---|--------------|-------------|
|   | 170 - 200 mm | 0,031       |
| Length (mm) (EN 822)                              |              | 1250 ± 8    |
| Width (mm) (EN 822)                               | 30 - 180 mm  | 600 ± 8     |
|   | 190 – 200 mm | 500 ± 8     |
| Density (kg/m³)                                   |              | 35 +/- 15 % |
| Edge profile                                      |              | rebate edge |
| Surface   |              | smooth      |
| Compressive strength at 10% deformation (kPa) (   | EN 826)      | CS(10\Y)300 |
| Dimensional stability (EN 1604)                   |              | DS(70,90)   |
| Long term water absorption by immersion (%) (EN   | N 12087)     | WL(T)0,7    |
| Reaction to fire (Euroclass)                      | Е            |             |
| Water vapour permeability (μ) (EN 12086)          | NPD          |             |
| Tensile strength perpendicular to faces (kPa) (EN | 1607)        | TR200       |
| Compressive creep (EN 1606)                       |              | NPD         |
| D - no performance determined                     |              |             |

### NPD = no performance determined

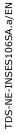
#### **Installation**

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

only in accordance with the conditions and technical specifications in force at the date of order.

#### **Certifications**

BBA 18/5489 (UK)



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



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## **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.



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