

XPS SL

Extruded polystyrene XPS is the ideal product for the insulation of roofs. In the case of inverted flat roofs the recommended product is XPS SL which is placed on top of the waterproof layer. Apart from being an energy efficient application, the XPS helps to protect the waterproofing membrane from damage and UV degradation. XPS SL has got closed cell structure with a lap joint rebate to facilitate its placement on the roof.

APPLICATION

XPS SL is applied on:

- Inverted roofs, pitched roofs, and for restoration of these roofs
- Perimeter insulation for walls
- Load-bearing foundation slabs
- Forged steel, slabs and pavement
- Roads and railway lines

Thermal Insulation XPS

TEXSA SYSTEMS SLU reserves the right to modify the information contained herein without prior notice and declines all liability in cases of errors produced due to inappropriate use of the product. The values shown in the technical sheet are the mean values from tests in our lab.

PACKAGING AND STORAGE

| Dimensions mm | Thickness mm | Boards per pack | m ² / per pack | m ² / per pallet |
|-----------------------------------|--------------|--------------------|---------------------------|-----------------------------|
| 1250 x 600 (0,75 m ²) | 30 | 14 boards per pack | 10.5 | 126 |
| 1250 x 600 (0,75 m ²) | 40 | 10 boards per pack | 7.5 | 90 |
| 1250 x 600 (0,75 m ²) | 50 | 8 boards per pack | 6 | 72 |
| 1250 x 600 (0,75 m ²) | 60 | 7 boards per pack | 5.25 | 63 |
| 1250 x 600 (0,75 m ²) | 80 | 5 boards per pack | 3.75 | 45 |
| 1250 x 600 (0,75 m ²) | 100 | 4 boards per pack | 3 | 36 |

TECHNICAL PROPERTIES

| Properties | Value | Unit | Standard |
|---|----------------------------------|-----------|-------------------|
| Compressive strength 10% deformation | 300 | KPa | EN 826 |
| Thermal conductivity | 0,034 (30-60 mm) 0,036 (> 60 mm) | W/m·K | EN 12667 EN 12939 |
| Water absorption | ≤0,7 | % volumen | EN 12087 |
| Reaction to fire | E | Euroclase | EN 13501-1 |
| Temperature limits | -0.6666666666666666 | °C | |
| Coefficient of linear thermal expansion | 0.070000000000000001 | mm/m·K | |
| Capillarity | 0 | | |
| Surface finish | skin | | |
| Squareness | 5 | mm/m | EN 824 |
| Thickness tolerance | +2/-2 (C42< 50 mm) | mm | EN 823 |
| Thickness tolerance | +3/-2 (≥ 50 mm) | mm | EN 823 |
| Width tolerance | +/- 8 | mm | EN 822 |
| Length tolerance | +/- 10 | mm | EN 822 |

OTHER FEATURES

| Thickness (mm) | 30 | 40 | 50 | 60 | 80 | 100 |
|--|-----|-----|-----|-----|-----|-----|
| Thermal resistance (m ² .K/W) | 0.9 | 1.2 | 1.5 | 1.8 | 2.2 | 2.8 |

Thermal Insulation XPS

TEXSA SYSTEMS SLU reserves the right to modify the information contained herein without prior notice and declines all liability in cases of errors produced due to inappropriate use of the product. The values shown in the technical sheet are the mean values from tests in our lab.