



# XPS

## XTREME PERFORMANCE & STRENGTH

### Product Briefing & Data Sheet



Extremely durable thermal insulation board made of extruded polystyrene, Sundolitt XPS offers exceptional thermal performance and versatility. It is not only lightweight but able to withstand extreme loads and its water resistance means it can be stored and installed in severe wet weather conditions with no deterioration during its life. It is easy to cut and customise on site and requires no special equipment or tools.

Sundolitt XPS is manufactured to EMS 14001 accreditation. It has global warming potential of less than 5 and an ozone depletion potential of zero. A full Environmental Product Declaration is available on our web site.



Please refer to our full XPS specification data overleaf.

- **Commercial and Domestic Flooring**
- **Inverted Flat/Green Roofing**
- **Cold Stores**
- **Warehouse Units - trafficked**
- **Landscaping & Ground Works**
- **Agricultural Insulation**
- **Civil Engineering Applications**
- **Anaerobic Digesters**
- **Swimming Pools**
- **Perimeter Insulation**
- **Basements**

Serving the Construction Industry

#### **Sundolitt Ltd Head Office**

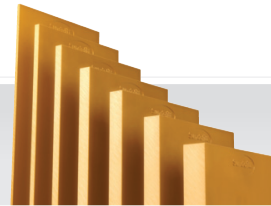
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Available:  In Stock:

| Properties                         |                 | Sundolitt XPS 200 SL |            | Sundolitt XPS 300 SL |            | Sundolitt XPS 400 SL |            | Sundolitt XPS 500 SL |            | Sundolitt XPS 700 SL |            | Sundolitt XPS 300 BE |            | Standard   |
|------------------------------------|-----------------|----------------------|------------|----------------------|------------|----------------------|------------|----------------------|------------|----------------------|------------|----------------------|------------|------------|
| Dimensions mm                      |                 |                      |            |                      |            |                      |            |                      |            |                      |            |                      |            |            |
|                                    |                 | 585 x 1185           | 585 x 2385 | 585 x 1185           | 585 x 2385 | 585 x 1185           | 585 x 2385 | 585 x 1185           | 585 x 2385 | 585 x 1185           | 585 x 2385 | 600 x 1200           | 600 x 2400 |            |
| Thickness mm                       | Boards per pack |                      |            |                      |            |                      |            |                      |            |                      |            |                      |            |            |
| 30                                 | 14              | x                    |            | x                    | x          |                      |            |                      |            |                      |            |                      |            |            |
| 40                                 | 10              |                      |            |                      |            |                      |            |                      |            |                      |            |                      |            |            |
| 50                                 | 8               | x                    |            | x                    | x          | x                    |            | x                    |            | x                    |            | x                    | x          |            |
| 60                                 | 7               |                      |            | x                    | x          | x                    |            |                      |            |                      |            |                      |            |            |
| 70                                 | 6               |                      |            | x                    |            | x                    |            |                      |            |                      |            | x                    |            |            |
| 75                                 | 5               |                      |            | x                    |            |                      |            |                      |            |                      |            |                      |            |            |
| 80                                 | 5               |                      |            | x                    | x          |                      |            | x                    |            | x                    |            |                      |            |            |
| 100                                | 4               | x                    |            | x                    | x          | x                    |            | x                    |            | x                    |            | x                    | x          |            |
| 120                                | 3               |                      |            | x                    |            |                      |            |                      |            |                      |            |                      |            |            |
| 150                                | 3               |                      |            | x                    |            |                      |            |                      |            |                      |            |                      |            |            |
| Thermal conductivity (e.g. 50mm)   | W/mK            | 0.033                |            | 0.033                |            | 0.033                |            | 0.033                |            | 0.033                |            | 0.033                |            | EN 13164   |
| Compressive behaviour (kPa)        | Short 10%       | 200                  |            | 300                  |            | 400                  |            | 500                  |            | 700                  |            | 300                  |            | EN 826     |
|                                    | Long 2%         | 90                   |            | 140                  |            | 180                  |            | 225                  |            | 250                  |            | 140                  |            |            |
| Thickness - T1 grade*              | <50mm           | -2 / +2              |            | -2 / +2              |            | -2 / +2              |            | -2 / +2              |            | -2 / +2              |            | -2 / +2              |            | EN 823     |
|                                    | 50≤120mm        | -2 / +3              |            | -2 / +3              |            | -2 / +3              |            | -2 / +3              |            | -2 / +3              |            | -2 / +3              |            |            |
|                                    | >120mm          | -2 / +8              |            | -2 / +8              |            | -2 / +8              |            | -2 / +8              |            | -2 / +8              |            | -2 / +8              |            |            |
| Compr. modules of elasticity       | kPa             | 12500                |            | 15000                |            | 20000                |            | 30000                |            | 40000                |            | 15000                |            | EN 826     |
| Dimensional stability              | %               | ≤2%                  |            | ≤2%                  |            | ≤2%                  |            | ≤2%                  |            | ≤2%                  |            | ≤2%                  |            | EN 1604    |
| Linear coeff. of thermal expansion | Length          | 0.08                 |            | 0.08                 |            | 0.08                 |            | 0.08                 |            | 0.08                 |            | 0.08                 |            |            |
|                                    | Cross           | 0.06                 |            | 0.06                 |            | 0.06                 |            | 0.06                 |            | 0.06                 |            | 0.06                 |            |            |
| Reaction to fire ♦                 |                 | Euroclass F          |            | Euroclass F          |            | Euroclass F          |            | Euroclass F          |            | Euroclass F          |            | Euroclass F          |            | EN 13501-1 |
| Water absorption                   | Vol %           | 0.7                  |            | 0.7                  |            | 0.7                  |            | 0.7                  |            | 0.7                  |            | 0.7                  |            | EN 12087   |
| Water absorption**                 | Vol %           | 1,5-5                |            | 1,5-5                |            | 1,5-5                |            | 1,5-5                |            | 1,5-5                |            | 1,5-5                |            | EN 12088   |
| Water absorption**                 | Vol %           | ≤2%                  |            | ≤2%                  |            | ≤2%                  |            | ≤2%                  |            | ≤2%                  |            | ≤2%                  |            | EN 12091   |

\* Thickness - T1 grade T3 tolerance ±1 available.  
 ♦ Reaction to fire Euroclass E available, flame retardant XPS produced using brominated polymer, HBCD free.  
 \*\* Water Absorption Expected values

Sundolitt® XPS 200 - 700 XPS - EN 13164 - T1 - CS(10/Y) 250 - 700 DS(TH) - WL(T)0,7

Sundolitt® XPS SL = XPS product with rebate (ship lap).  
 Sundolitt® XPS BE = XPS product with straight edge (butt edge).  
 Sundolitt® also produce Embossed surface, Tongue & Groove edge and drainage lined boards with non-woven membrane.

All products are chemically and biologically neutral and HCFC / HFC free.



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