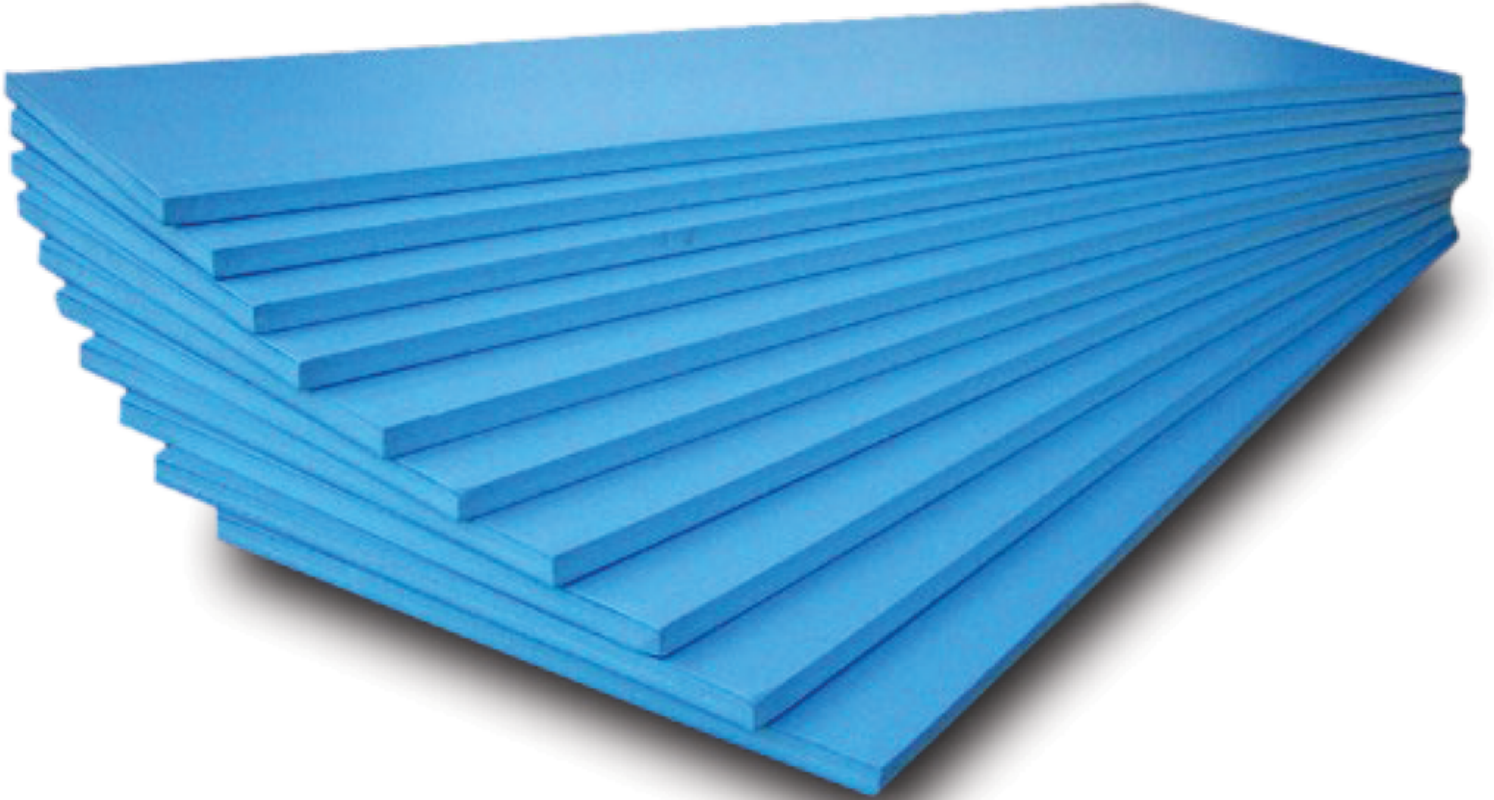


heatban®  
هيت بان

thermal | للعزل  
insulation | الحراري

## TECHNICAL DATASHEETS



أرنون  
ARNON

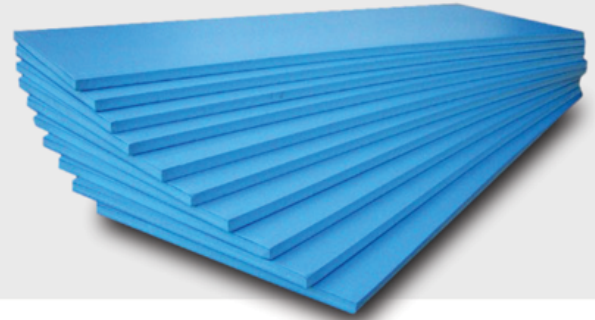


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# heatban® 30-100mm

## Extruded Polystyrene (XPS) Rigid Foam Insulation



### Description

Heatban® Extruded Polystyrene (XPS) Insulation is a closed cell, moisture-resistant rigid foam board well suited to meet the needs for a wide variety of building applications. Heatban® XPS insulation will prevent the loss of energy and great for many residential and commercial construction applications such as wall furring, perimeter/foundation, cavity wall, pre-cast concrete, under slab, crawl spaces, sheathing and other applications.

### Features

- Excellent long-term stable insulating performance
- Exceptional moisture resistance, long-term durability
- Lightweight, durable rigid foam panels are easy to handle and install
- Easy to saw, cut or score

### Applications

- Slows the transmission of water vapor and moisture in masonry walls
- Provides continuous insulation over wood or steel stud framing, in insulated concrete sandwich panel walls, in masonry unit cavity walls, or when used with non-penetrating, surface mounted furring systems over masonry or concrete walls
- Insulates and retains its properties in below grade perimeter and foundation applications, or directly beneath the concrete slab to complement the insulating sheathing envelope around the building framing

### Characteristics

- Density: 32 -35 Kg/m<sup>3</sup>.
- Board size: 600 x 1250 mm.
- Thickness: 30-100 mm.
- Edges: Rebated or straight

| Properties                                                                                                                                          | Test method                 | Unit                                 | heatban          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------|------------------|
| Density                                                                                                                                             | ASTM D1622                  | Kg/m <sup>3</sup>                    | 32-35            |
| Thermal conductivity@ 24°C mean temperature                                                                                                         | ASTM C518                   | W/m.k<br>Btu-in/h.ft <sup>2</sup> °F | 0.028<br>0.2     |
| Compressive strength @ 10% deflection                                                                                                               | ASTM D1621                  | kPa                                  | 400 – 450        |
| Water absorption by submersion                                                                                                                      | ASTM C272                   | % by Volume                          | ≤1               |
| Water vapor permeability                                                                                                                            | ASTM E96-00                 | Per-inch                             | 0.5 – 0.7        |
| Dimensional stability                                                                                                                               | ASTM D2126                  | % Change                             | <0.2             |
| Flexural strength                                                                                                                                   | ASTM C203                   | kPa                                  | 400 – 425        |
| Fire classification (UL723)                                                                                                                         | ASTM E84                    | Building Mat Class                   | A Class          |
| Underwriters laboratory – UL 723 = ASTM E-84 standard test method or surface burning characteristics of building materials under code ASTM C 578-13 | UL-723 = ASTM E-84          | Fire spread + Smoke developed index  | 5 – 25<br>55 135 |
| Sheet size                                                                                                                                          | Width 600 mm Length 1250 mm |                                      |                  |
| Thickness                                                                                                                                           | 30-100mm                    |                                      |                  |
| Edge profile                                                                                                                                        | Ship lap edge               |                                      |                  |

