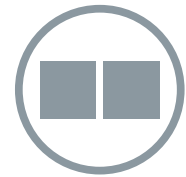




## RIGID EXTRUDED POLYSTYRENE (XPS) FOAM BOARD FOR THERMAL INSULATION OF PITCHED ROOFS AND FLOORS



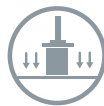
Butt edge



Thermal  
insulation



Negligible  
long-term water  
absorption



High compressive  
strength



High  
durability



Recyclable  
boards



Environmental Product  
Declaration

DANOPREN® CH is a rigid extruded polystyrene (XPS) foam board with butt edges at various thicknesses. Manufactured without CFC's, HCFC's or HFC's.

### ADVANTAGES

- Easy and safe handling: they are light, do not irritate the skin, do not give off dust, and maintain their physical integrity
- Negligible long-term water absorption
- Long-term high compressive and mechanical strength
- Durability equal to the service life of the building within which they are incorporated
- Recycling and the re-use of DANOPREN® XPS insulation is feasible depending on system installed

### APPLICATIONS

- Thermal insulation for pitched roof with trayed tilt
- Thermal insulation for residential and commercial floors

### PRODUCT RANGE

Trade name	Thickness (mm)	Conductivity (W/m·K)	m <sup>2</sup> /bundle	Panels/bundle
<b>DANOPREN® CH</b> 2,60 x 0,60 m	30	0,033	21,84	14
	40	0,034	15,60	10
	50	0,034	12,48	8
	60	0,034	10,92	7



## INSTALLATION

### Pitched roof between timber rafters

- The load-bearing capacity of the roof structure should be checked.
- DANOPREN® CH boards should be installed with each board butt-fitting starting at the eaves (bottom) of the pitched roof.
- Each board should tightly fit between the main rafters which should be no more than 60cm apart.
- The rafter thickness should be 2-4cm greater than the thickness of the DANOPREN® CH boards.
- Once the DANOPREN® CH boards have been installed, the tile battens can be installed in the horizontal direction in accordance with the tile manufacturer's instructions.

### Residential and commercial floors

- The structural deck must show proper leveling and flatness.
- DANOPREN® CH boards must be installed loose-laid, with tight and staggered joints between successive rows.
- In case of slab insulation, DANOPREN CH boards may be placed directly onto the ground, once the soil is properly compacted. Then the boards can be placed, as indicated in the previous bullets. If a plastic film is installed as a

watertight barrier, it is recommended to place it above the DANOPREN® CH boards by their "warm" side.

- A screed of at least 40 mm thickness will be installed, as a bed layer for the pavement, above the DANOPREN® CH boards. For light or adhered flooring finishings, a minimum 30 mm screed is recommended, reinforced at least with a 220 g/m<sup>2</sup> mesh.
- In case of heating floor systems, the DANOPREN® CH boards must be placed below the heating system.

## STORAGE AND PRESERVATION

- Do not expose to temperatures exceeding 75 °C.
- They must be protected from direct sunlight during storage for long periods of time.
- They can be stored outdoors, unaffected by rain, snow or ice.

## COMPATIBLE SOLUTIONS

