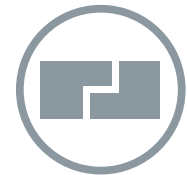




RIGID EXTRUDED POLYSTYRENE (XPS) FOAM BOARD FOR THERMAL INSULATION OF HIGH LOAD-BEARING ROOFS AND FLOORS



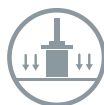
Ship-lap edge



Thermal insulation



Negligible long-term water absorption



High compressive strength



High durability



Inverted roof systems



Recyclable boards



Environmental Product Declaration

DANOPREN® 500 is a rigid extruded polystyrene (XPS) foam board with ship-lap 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.
- Additional protection from mechanical damage and thermal shock when installed on top of the waterproofing system and subsequent DANOFLOW® water flow reducing layer.

APPLICATIONS

- Thermal insulation for high load-bearing floors (cold stores, parking decks, etc).

DANOPREN® 500 PRODUCT RANGE

Trade name	Thickness (mm)	Conductivity (W/m·K)	m ² /bundle	Panels/bundle
DANOPREN® 500 1,25 x 0,60 m	40	0,034	7,50	10
	50	0,034	6,00	8
	60	0,034	5,25	7
	80	0,036	3,75	5



INSTALLATION

- A suitable separation layer like DANOFELT® PY 150 shall be installed between the DANOPREN® 500 boards and the waterproofing membrane if it's a PVC membrane the separation layer should be like DANOFELT® PY 300.
- DANOPREN® 500 boards shall be installed loose-laid, with staggered joints between successive rows and with all their joints tight.
- When close to every detailing, the boards will form the joint with at least a 5 mm tolerance.
- Depending upon the specification, a suitable separation layer like DANOFELT® PY 300 shall or alternatively our DANOFLOW® Water Flow Reducing Layer should be installed between the boards and the ballast (gravel or paving).
- It shall be avoided any ballast that may form a tight vapor diffusion layer on top of the boards.
- When installing a parking deck the traffic bearing layer must be installed immediately, usually it is formed with a concrete slab.

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

