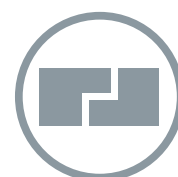
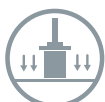




RIGID EXTRUDED POLYSTYRENE (XPS) FOAM BOARD FOR THERMAL INSULATION OF INVERTED ROOFS AND FLOORS

**Ship-lap edge****Thermal insulation****Negligible long-term water absorption****High compressive strength****High durability****Inverted roof systems****Recyclable boards****Environmental Product Declaration**

DANOPREN® TR 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 flat roofs, both conventional and inverted.
- Thermal insulation for floors with overloads, for residential and commercial use.

PRODUCT RANGE

Trade name	Thickness (mm)	Conductivity (W/m·K)	m ² /bundle	Panels/bundle
DANOPREN® TR 1,25 x 0,60 m	40	0,033	7,50	10
	50	0,033	6,00	8
	60	0,033	5,25	7
	80	0,034	3,75	5
	100	0,035	3,00	4



INSTALLATION

Inverted roofs

- A suitable separation layer like DANOFELT® PY 150 shall be installed between the DANOPREN® TR boards and the waterproofing membrane if it's a PVC membrane the separation layer should be like DANOFELT® PY 300.
- DANOPREN® TR 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.

Residential and commercial floors

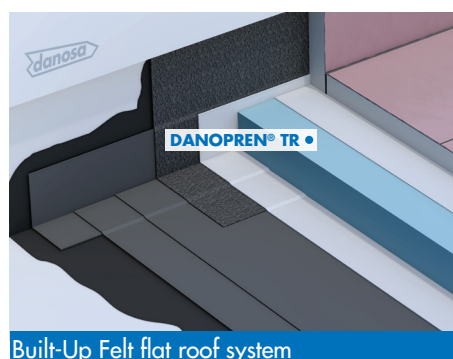
- The structural deck must show proper leveling and flatness
- DANOPREN® TR boards must be installed loose-laid, with tight and staggered joints between successive rows.

- In the case of slab insulation, DANOPREN® TR boards may be placed directly onto the ground, once the soil is properly compacted. If a plastic film is installed as a watertight barrier, it is recommended to place it above the DANOPREN® TR boards.
- A screed of at least 40 mm thickness will be installed, as a bed layer for the pavement, above the DANOPREN® TR boards. For light or adhered flooring finishings, a minimum 30 mm screed is recommended, reinforced at least with a 220 g/m² mesh.
- In case of heating floor systems the 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.
- During periods of high solar radiation, store the boards protected from direct sunlight exposure, away from heat sources and reflective surfaces. Keep the product in its original packaging until installation.

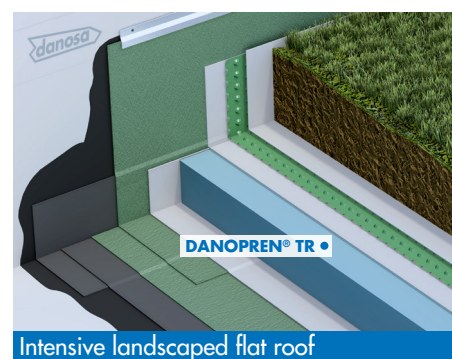
COMPATIBLE SOLUTIONS



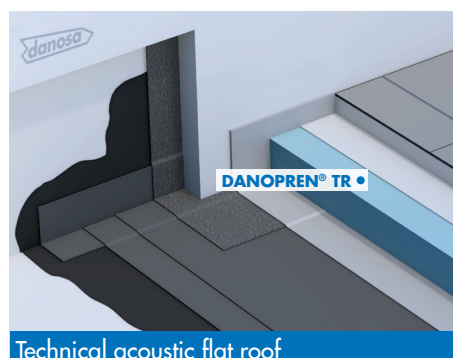
Built-Up Felt flat roof system



Not passable inverted flat roof



Intensive landscaped flat roof



Technical acoustic flat roof



Buried walls



Thermoacoustic basic floating floor