

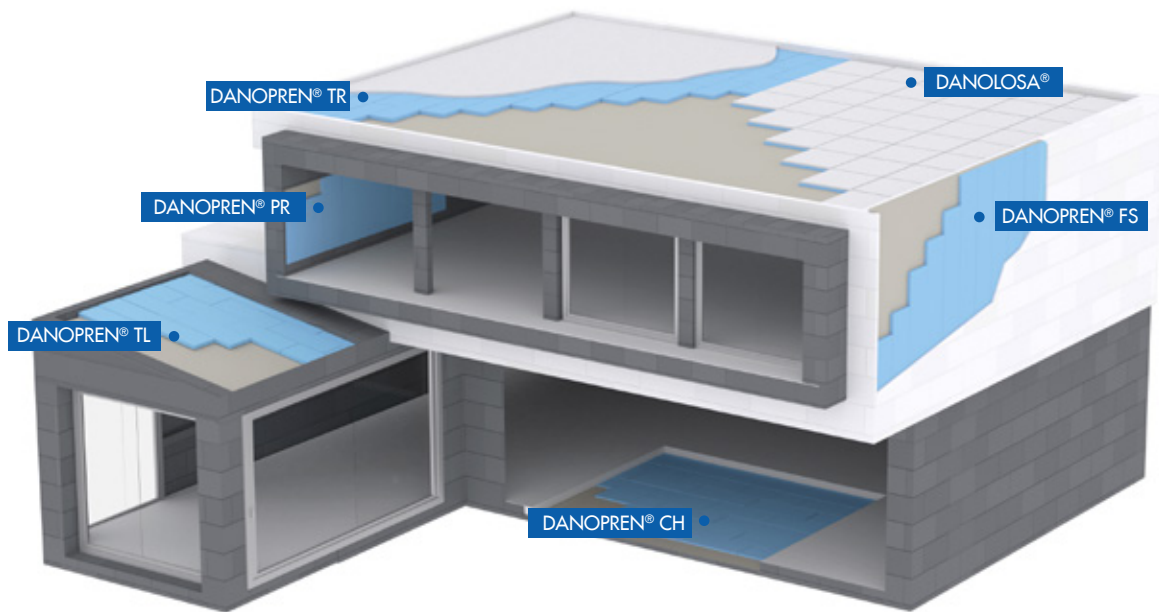
## THERMAL INSULATION

SOLUTIONS THAT HELP REDUCE A BUILDING'S ENERGY DEMANDS



**DANOSA THERMAL INSULATION SYSTEMS** are solutions that help limit the amount of energy needed by a building to obtain thermal comfort for its users, effectively contributing to a reduction in energy consumption and in CO<sub>2</sub> emissions.

The DANOPREN® product line is designed to provide an effective, fast and safe solution for all the insulation needs for a building's thermal enclosure.



### ADVANTAGES:

- Thermal insulation against both cold and heat.
- Minimal water absorption: rot-proof.
- Retains its insulating properties throughout the entire lifespan of the building.
- High mechanical resistance to load-induced compression.
- Quick and easy to deploy.
- Facilitates the diffusion of water vapour on outer walls.
- Building consumes less energy.
- Reduced greenhouse gases: CO<sub>2</sub>.
- A building's energy bill can be cut by up to 50%.
- Lengthens the lifespan of materials in the shell of the building.

### APPLICATIONS:

Types of buildings:

- Public buildings such as shopping centres.
- Public or private residential buildings.
- Health facilities such as hospitals and clinics.
- Educational facilities such as schools, day care centres and universities.
- Administrative and corporate buildings.
- Industrial buildings.
- Logistical buildings.

Application	Product	Description	Edge-Surfaces	Thermal Conductivity (EN 12667/EN 12939)	Compression (EN 826)
Flat roofs: walkable, not walkable, garden roofs	<b>DANOPREN® TR</b>	Rigid, extruded polystyrene (XPS) high compression-resistant and with minimal water absorption.		0,033 - 0,038 W/m·K	≥ 300 kPa
Pitched roofs	<b>DANOPREN® TL</b>				
Façades: Interior insulation	<b>DANOPREN® PR</b>				≥ 200 kPa
Façades: Exterior insulation	<b>DANOPREN® FS</b>				
Floors, supports, concrete slabs	<b>DANOPREN® CH</b>				≥ 300 kPa