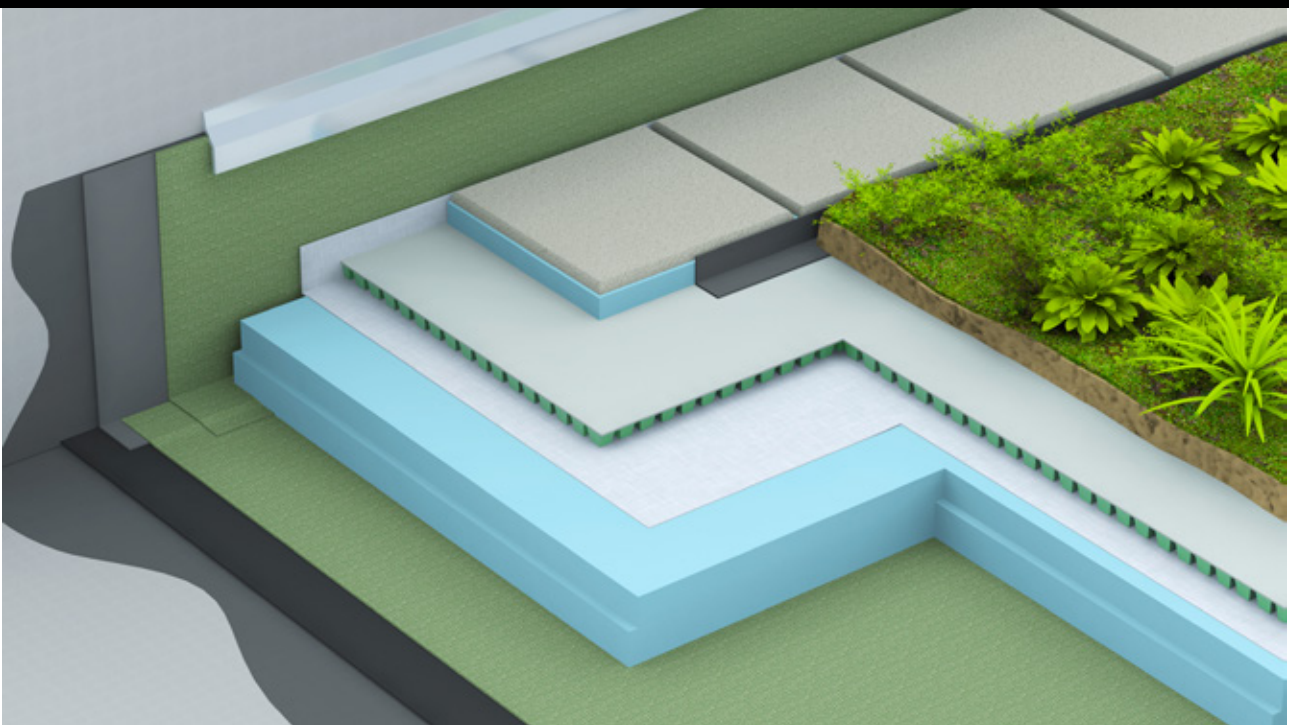


GREEN ROOFS

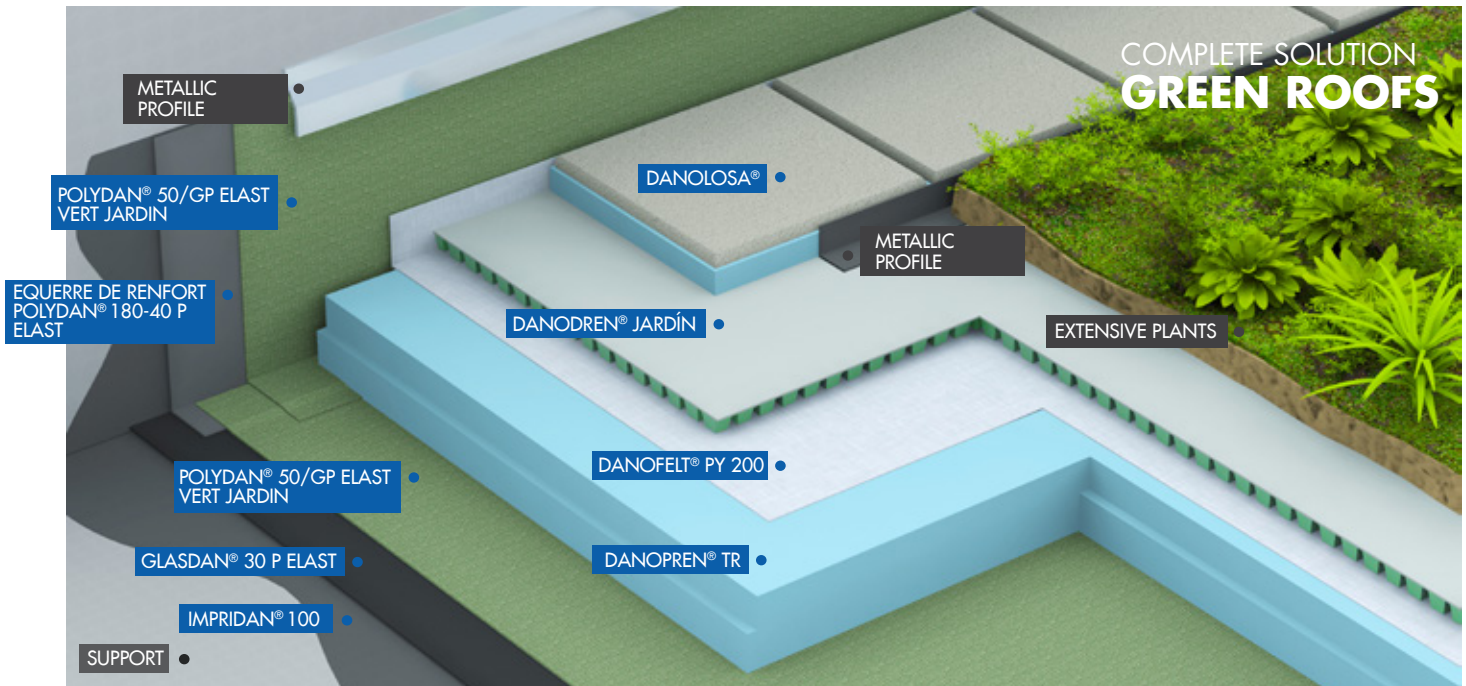
COMPLETE SOLUTION FOR MINIMISING
THE URBAN HEAT ISLAND EFFECT



DANOSA GREEN ROOF SYSTEMS are complete waterproofing and insulation solutions topped with a natural planted surface. This garden surface minimises absorption of the thermal enclosure, thus helping buildings achieve both an energy savings and respect for our environment.

All products comprising this solution are designed to assure that the building interior remains watertight. Additionally, they include the necessary drainage and filtering layers needed by a garden system to assure proper development of the vegetation.

COMPLETE SOLUTION GREEN ROOFS



ADVANTAGES:

- Complete waterproofing and light thermal insulation system.
- Highly durable waterproofing system.
- Waterproofing system resistant to root penetration.
- Waterproofing system resistant to UV radiation.
- Waterproofing system resistant to gardeners' foot traffic.
- Ecological, CFC, HCFC and HFC-free thermal insulation system.
- Highly compression-resistant drainage system.
- Constructive solution in accordance with sustainability certification: French Haute qualité environnementale (HQE®), Spanish VERDE®, Portuguese LiderA®, American LEED®, British BREAM®.

- System technically evaluated by independent European organisations: French Centre Scientifique et Technique du Bâtiment (CSTB).

APPLICATIONS:

Types of buildings:

- Public buildings such as shopping centres.
- Buildings for public or private residential use.
- Health facilities such as hospitals and clinics.
- Educational facilities such as schools, day care centres and universities.
- Administrative buildings and office spaces.

Function	Product	Description	Property	Value
Waterproofing	POLYDAN® 50/GP ELAST VERT JARDIN + GLASDAN® 30 P ELAST	High-performance, highly elastic SBS-modified bitumen membrane resistant to root penetration.	Resistance to root penetration	Passes EN 13948
Thermal insulation	DANOPREN® TR	Rigid, ecological, extruded polystyrene (XPS). high compression-resistant and with minimal water absorption.	Thermal conductivity	0,033 - 0,038 W/m·K
Separation	DANOFELT® PY 200	Non-woven geotextile composed of polyester fibres	Density	200 g/m ²
Drainage and filtering	DANODREN® JARDIN	Nodular high-density polyethylene (HDPE) and incorporated polypropylene geotextile.	Drainage	0,54 l/m·s
Thermal insulation Walking deck	DANOLOSA®	Porous concrete insulating slab, acting as a mechanical protection having an extruded polystyrene insulation base.	Thermal conductivity	0,033 - 0,038 W/m·K