

# ETICS Façade

It is currently estimated that approximately 50% of the total energy consumption of a building is attributable to heating and air conditioning expenditure, due to a low level of insulation. An optimal solution to respond to the demands for high levels of insulation is **External Thermal Insulation Composite Systems (ETICS)**.

The main advantage of this system is that the entire building envelope is insulated, eliminating thermal bridges, protecting the structure of the enclosure to the variation of external and internal temperatures, thus generating a lower energy demand and, as a result, greater **economic and environmental savings**.

## Functioning

The ETIC system comprises applying an insulating coating protected by mortar to a building façade, attaching it to the support mechanically and/or with adhesives. The overall system comprises several layers of different materials. It can be used on new buildings as well as for renovations of existing ones.

## Functioning

- Maximum **thermal protection** producing a high level of comfort with minimum energy costs
- Maximum level of air permeability **preventing condensation**.
- Sustainability. **Energy savings** and as a result **reduction in CO<sub>2</sub> emissions**.
- Excellent **acoustic protection**.
- Safety in the event of fire.
- Durability of materials and low maintenance costs.
- Flexibility in the design .

