

## Seamless High Performance External Roof Insulation System

### Thermadek Benefits:

- Designed For External Roof And Storage Tank Insulation Upgrades
- Protects The Roof Structure
- Effective Low Thermal Conductivity Values
- Excellent Permanent Adhesion Quality To Most Surfaces
- Seamless Air Tight Insulation
- Speedy Installation With No Mechanical Fixings
- High Density To Withstand Foot Traffic
- Effective In Helping Reduce Heating Costs And Carbon Emissions



### The Hidden Costs of air leakage

Model Building 1  
5,000m<sup>2</sup>      Model Building 2  
10,000m<sup>2</sup>

Leaky unit of 20m<sup>3</sup>/h/m<sup>2</sup>

Air exchange rate	0.550 ACH	0.500 ACH
Estimated air leakage energy requirement	111,725 kWh used yr	221,757 kWh used yr
Low leakage unit of 3m <sup>3</sup> /h/m <sup>2</sup>		
Air exchange rate	0.080 ACH	0.075 ACH
Estimated air leakage energy requirement	16,250 kWh used yr	33,363 kWh used yr
Energy Savings	95,475 kWh yr	188,394 kWh yr
Cost Savings (Gas 4.4p/kWh)	£4,011 yr	£7,920 yr
Cost Savings (Electric 7.79p/kWh)	£7,427 yr	£14,700 yr