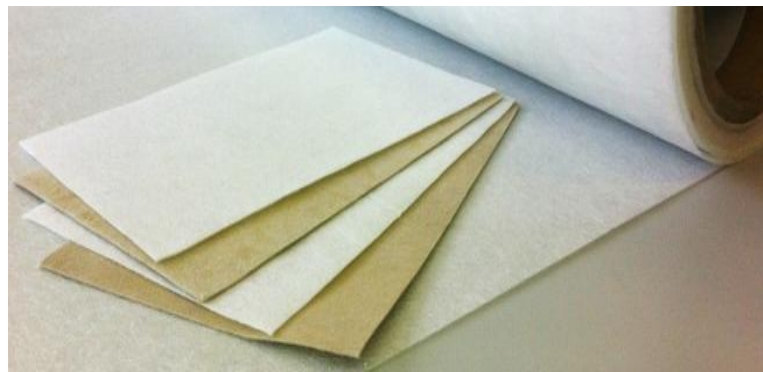


## Product data sheet

Skogar<sup>®</sup> UF super-insulating sheets are composite materials made of silica aerogel and nonwoven fibers. This high performance product is developed and manufactured by ENERSENS within a patented process. This technology has unique thermal performance making it, one of the most insulating product on the market. In addition to being ultra-insulating, these sheets are non-flammable, breathable, have very good acoustic properties and is sustainable. Skogar<sup>®</sup> UF can be used in many applications. As soon as thermal performance and space saving are sought, Skogar<sup>®</sup> UF is the ideal insulator in buildings, EV batteries and Electronics applications.

- High thermal performance
- 3 times more efficient than conventional insulation**
- Ultra-thin insulation
- Major space saving**
- Excellent mechanical properties
- Utilisable for many applications**
- Excellent fire behaviour
- Non-flammable mineral material**



Ultra-Fine super-insulating sheets

### Main characteristics

Thermal conductivity at P <sub>atm</sub>	0.011 to 0.013 W/(m.K) (at 20 °C)
Service temperature at P <sub>atm</sub>	-160 °C to 400 °C
Thickness	0.5 mm to 2.5 mm
Density	175 ± 15 kg/m <sup>3</sup>
Surface chemistry	Hydrophobic - Resistant to corrosion
European Standard Fire Class	Up to A1,s1,d0 (EN 13501-1) in systems
Chemical stability	Stable
Vapour permeability	μ = 5