



TURVAC Si™ is a vacuum insulation panel based on fumed silica core material. The core is inserted in high barrier multilayer foil, which contributes to service life up to 60 years.

Technical Characteristics

Core:	Fumed Silica
Foil (envelope):	Multilayer metalized
Surface colour:	Silver
Standard temperature range:	- 70° C to 80° C
Standard geometry:	Rectangular shape
Standard size:	From 500 x 1000 to 650 x 1200 mm
Maximum size:	1580 x 1300 mm
Thickness:	10, 15, 20, 25, 30, 35, 40 mm
Density:	180 ± 20 kg/m ³
Size tolerance: (including folded flaps)	≤ 500 -3, +2 > 500 -5, +4 > 1000 -10, +5
Thickness tolerance: (flaps are excluded)	≤ 15 mm ± 1 mm 16 - 30 mm - 1,5 mm, +3 mm > 30 mm - 2 mm, +3 mm
Internal gas pressure:	< 5 mbar (at delivery)
Thermal conductivity:	< 0,0045 W/mK (at 20 mm thickness)
Compressive strength:	95 kPa
Service life:	40 - 60 years (under standard conditions)

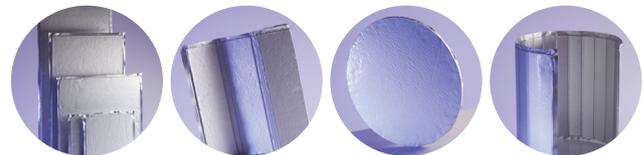
Advanced insulation for space and volume limited solutions.

TURVAC Si™ is mostly used in **high performance insulation solutions**, where not only high efficiency, but also long time performance is needed. Turvac Si™ lifetime can be up to 40 – 60 years.

TURVAC Si™ vacuum insulation panels are widely used in:

- household appliances (refrigerators and freezers),
- medical refrigerators and TCP - temperature controlled packaging,
- construction and buildings (adaptations, thermal bridges insulation, terraces, facades, etc.),
- window shutters' isolation.

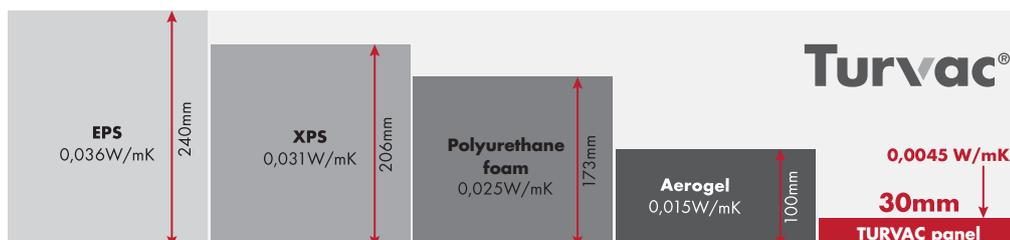
TURVAC® Variant Shapes



Restrictions on Applications



The special foil of the TURVAC® vacuum insulation panels must not be damaged by drilling, cutting, milling, nailing or similar, since the interior pressure of the panel will rise and the special properties of the panel, in particular its excellent insulation characteristics, will be lost.



Product Info

TURVAC® Vacuum Insulation Panels is a registered trademark of Turna d.o.o., a well known European manufacturer of components for household appliances.

