



LIDERfoam® panel



Sandwich panel basically made of two main components: polyester skin and nucleus, joined by two-component polyurethane adhesive. Sandwich panels are produced in two different lines depending on the insulator nucleus used: Extruded Polystyrene (XPS) or polyurethane (PUR). Besides the basic range we are available to add all type of internal reinforcement adapted to the needs of our customers.

Its basic composition is:

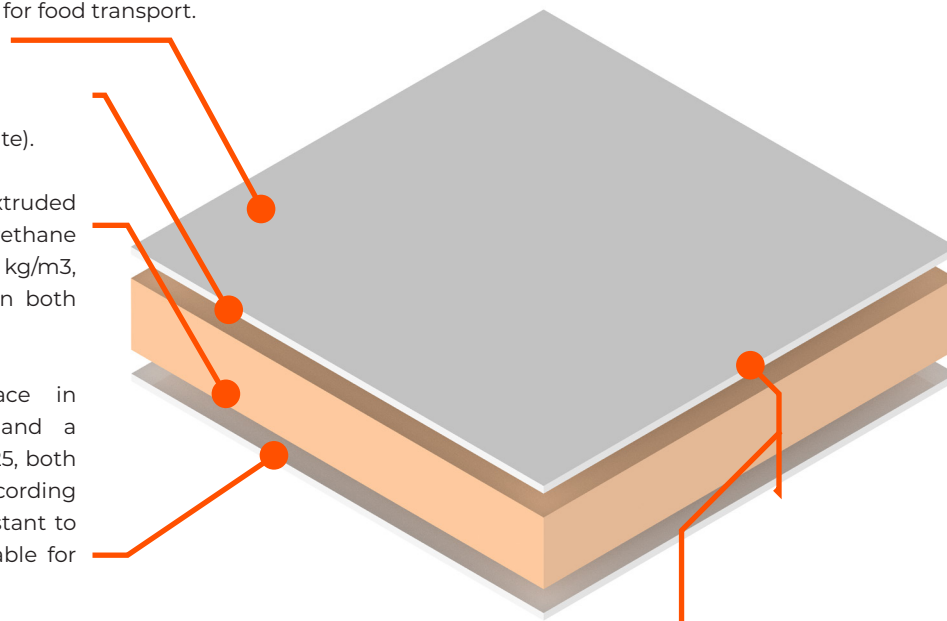
» **Exterior face:** polyester face in standard RAL 9016 color and a weight between 675 and 1125 gr, both factors can be modified according to customers needs. It is suitable for food transport.

» **Adhesive:** two-component polyurethane (Polyol + Isocyanate).

» **Core:** composed of Extruded Polystyrene (XPS) or Polyurethane (PUR) with a density of 40 kg/m³, available from the supplier in both options.

» **Interior face:** polyester face in standard RAL 9016 color and a weight between 675 g and 1125, both factors can be modified according to customers needs. It is resistant to ultraviolet radiation and suitable for food transport.

» **Standard dimensions:** length is available up to 13,600 mm, and width in set measurements between 1,900 and 3,000 mm, and thicknesses of 18 mm, 25 mm, 30 mm, 70 mm or 90 mm on XPS core, and 70 mm or 90 mm on PUR core.



Pol. Ind. El Guadiel
Avd. Linares, 17
23210 Guarromán
Jaén (Spain)

Tel: +34 953 67 80 41
Tel: +34 953 67 80 38
www.liderkit.com



» Mechanical properties:

	XPS	PUR	Norm
Thermal resistances	λ between 0,034 - 0,031 (W/m·K)	λ between 0,027 - 0,025 (W/m·K)	UNE-EN 12667:2002
Compression Behaviors	87,5 Kpa (until break)	40 Kpa (until break)	UNE-EN 826:2013
Tensile strength perpendicular to both faces	94 kPa		UNE-EN 1607:2013
Flexural strength	13-24 kPa (depending on thickness)		UNE-EN ISO 14125:1999
Water absorption	0,05 W _p (Kg/m ²)	0,06 W _p (Kg/m ²)	UNE-EN 1607:2013
Dimensional stability under specific conditions of temperature and humidity	$\Delta\epsilon_d < 0,1 \%$	$\Delta\epsilon_d < 0,01 \%$	UNE-EN 1604:2013
Mass/m² of panel	5,2 to 10,3 Kg/m ² (according to thickness)		N/A