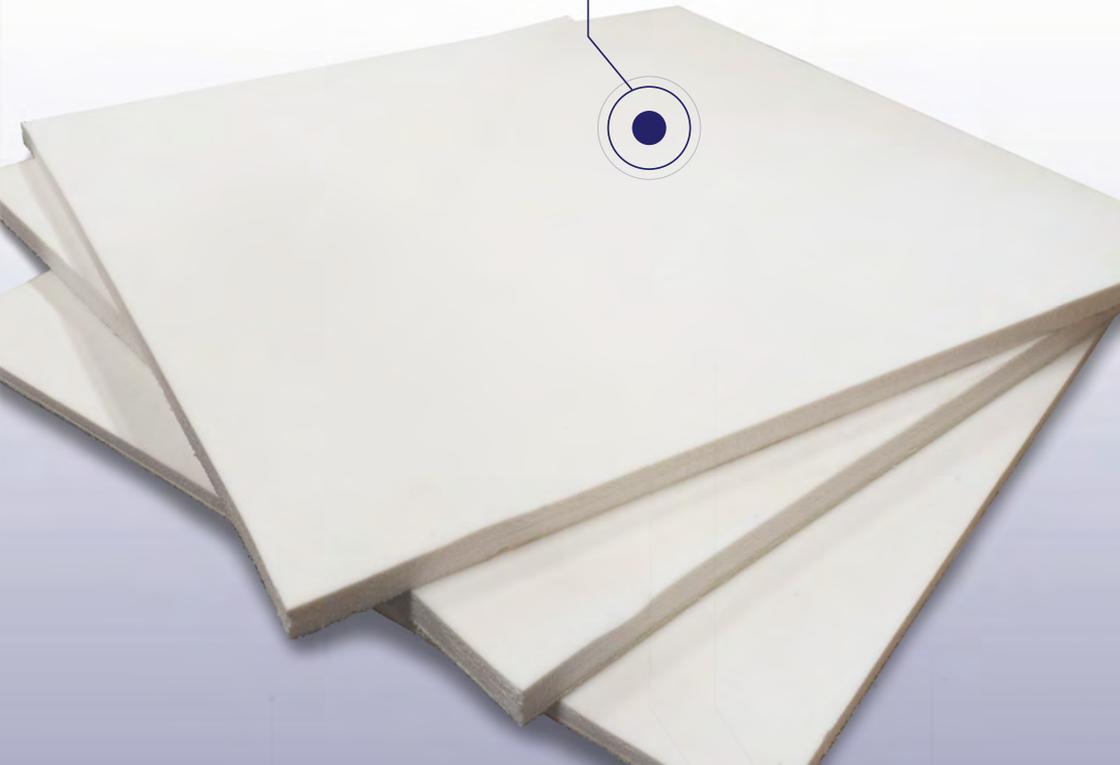


AMAGEL ULTRA

THE FLEXIBLE AEROGEL INSULATION PANEL WITH RECORD CONDUCTIVITY

Amagel Ultra is the new insulation panel developed by Ama Advanced Materials, designed for those looking for high-performance thermal insulation with minimal footprint. Thanks to the combination of Aerogel and composite foam, ensures **unique conductivity** ($\lambda_{10, \text{dry}} = 0,013 \text{ W/mK}$) and unprecedented flexibility, ideal even for curved surfaces, angles and complex geometries

**MAXIMUM EFFICIENCY,
MINIMUM DISPERSION,
ABSOLUTE VERSATILITY.**





WHY CHOOSE AMAGEL ULTRA?

- ✳ **Superior energy efficiency:** $\lambda = 0.013 \text{ W/mK}$ → up to 20% more than traditional Aerogel insulation panels.
- ✳ **Maximum adaptability:** flexible, foldable and perfect for the most complex applications.
- ✳ **Safe insulation:** Free from mineral fibers and with 90% less dustiness than conventional insulators.
- ✳ **Resistant to external agents:** hydrophobic and fireproof material (Class B – UL94-V0).
- ✳ **Versatility of use:** suitable for construction, industry, automotive and naval.

MAIN ADVANTAGES

- ✳ Thermal insulation 2 ~ 5 times higher than traditional materials
- ✳ Reduced thicknesses with the same performances
- ✳ Water repellent and fire resistant
- ✳ Lightweight, easy to cut and install
- ✳ Lower transport costs thanks to logistical savings



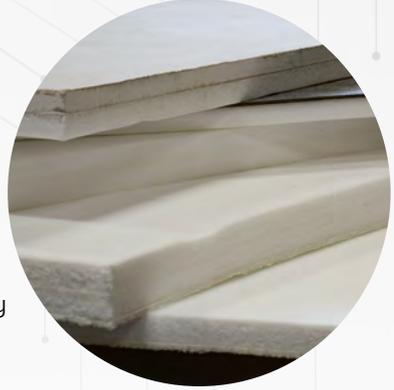
THE NEW ULTRA LINE

With **Amagel Ultra**, a new generation of Ama Advanced Materials insulators is born:

Aeropan Ultra – minimum thickness, maximum insulation

Aerogips Ultra – comfort and performance integrated into the interior

Aeroproof Ultra – Waterproofing and High Efficiency Insulation



AMAGEL ULTRA APPLICATIONS



CONSTRUCTION

Insulation of walls, roofs, floors and thermal bridge correction



INDUSTRY

Thermal protection of pipes, tanks and equipment (up to +200 °C)



AUTOMOTIVE & NAVAL

Lightweight, high-performance insulation for comfort and energy savings

AN ULTRA INSULATOR FOR EVERY PROJECT: CONSTRUCTION, RENOVATIONS, INDUSTRY AND TRANSPORT.



MAXIMUM EFFICIENCY

Amagel Ultra is available in panels in thicknesses 10 mm, 20 mm, 30 mm, 40 mm, 50 mm and 60 mm.

TECHNICAL DATA	VALUES	UNIT	TEST METHOD
Panel thickness	10/20/30/40/50/60	mm	
Thermal conductivity ($\lambda_{10, dry}$) at 10 °C	0,013	W/mK	EN 12667
Commitment limit temperatures	-180 +200 °C		
Heat capacity	1,000	J/kgK	ASTM E 826
Nominal density	100	kg/m ³	
Compression	55	kPa	EN ISO 29469:2022
Water absorption	0,12	kg/m ²	EN ISO 29767
Tensile strength perpendicular σ_{mt}	0,10	N/mm ²	EN 1607:2013
Fire reaction class	B		EN 13501-1
Water vapor permeability s_d	0,10	m	UNI EN 12086:2013
Color	White		



download the technical data sheet

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