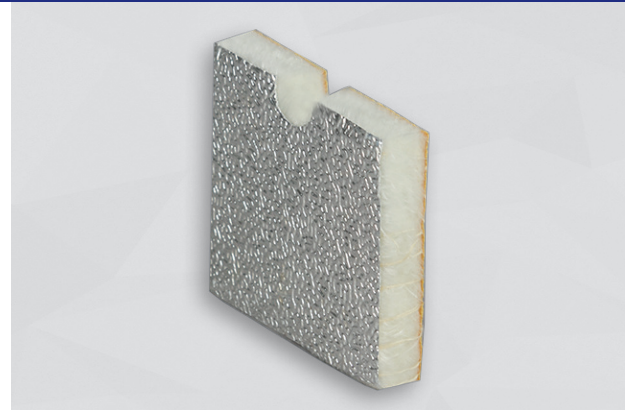




CELLO® 1116 ALG

The white glass-fiber mat laminated with a temperature-resistant aluminum foil is an ideal two-layer combination material for heat insulation and sound proofing. The surface layer consists of a top-quality aluminum foil for the effective reflection of heat radiation. The quilted glass-fiber mat forming the lower layer is responsible for both thermal and acoustic insulation.

Applications: In high-temperature areas of construction and farm machinery, machine construction, cabins/casings/hoods, buses/utility vehicles, rail vehicles, motorboats/yachts



TECHNICAL DATA

FLAMMABILITY	<ul style="list-style-type: none"> ▶ FMVSS 302, DIN 75 200, fulfilled ▶ ISO 3795, burning rate < 100 mm/min ▶ ECE R-118, annexes 6, 7 and 8 fulfilled (4-13 mm) (SK) ▶ EN 45545-2: requirements R1, HL 3 fulfilled (4-13 mm) (SK) ▶ DIN EN ISO 9094: oxygen index (OI) of at least 21% fulfilled (7 mm) (NK)
TEMPERATURE RESISTANCE	<p>-40°C to +600°C (with mechanical fixation) -40°C to +120°C (without mechanical fixation)</p>
THERMAL CONDUCTIVITY / EN 12667	<p>≤ 0.037 W/(m·K) at -10°C ≤ 0.038 W/(m·K) at 0°C ≤ 0.039 W/(m·K) at +10°C ≤ 0.041 W/(m·K) at +20°C</p>
WEIGHT	<p>4.0 mm: 800 g/m² 7.0 mm: 1600 g/m² 13.0 mm: 2900 g/m²</p>
TIGHTNESS / ECE R-118.01, ANNEX 9	Diesel, oil and water coming into contact with the surface cannot seep into the mat.



DIMENSIONS

PRODUCT	THICKNESS [mm]	THICKNESS TOLERANCE [mm]	SHEETS* [mm]
1116 ALG	4.0	+2 / -1	1600 X 1250 or 2100 X 1250
	7.0	+3 / -1	
	13.0	+3 / -3	

Other thicknesses / dimensions on request. Ready-to-use parts according to your specifications or drawing.

*Untrimmed: Effective dimensions guaranteed as ordered, may be exceeded by some layers (foam, film, non-woven etc.).

MORE INFORMATION

BENEFITS	<ul style="list-style-type: none"> ▶ High temperature resistance ▶ Very high heat insulation effect ▶ The aluminum foil completely prevents the penetration of dust, water, oil or other pollutants ▶ The low weight makes handling and processing easy
OPTIONS	<p>1116 ALG NK: no self-adhesive equipment 1116 ALG SK: with self-adhesive finish</p>
ADVICE	<p>For sealing trimmed edges, we recommend our adhesive tape Cello® ALU-01, which has been tested acc. to EN 45545-2 and meets requirements R1 + R7 + R17, HL 3. Cello® ALU-01 adhesive tape: water vapor tightness as per ISO 15106-3 fulfilled</p>

