

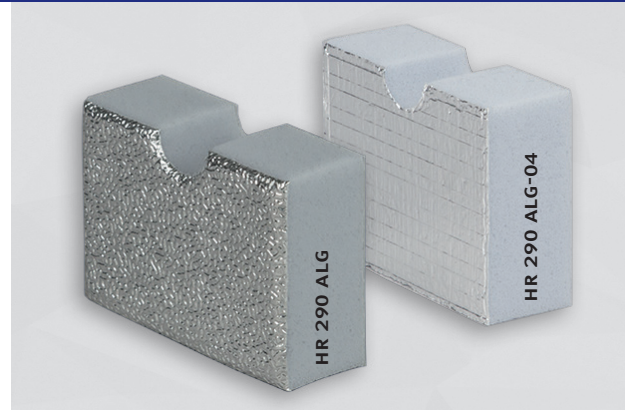


CELLO® HR 290 ALG | CELLO® HR 290 ALG-04


Cello® HR 290 ALG: Soft grey melamine-resin foam for noise absorption and thermal insulation, laminated with a foil made from embossed high-grade aluminum (corrosion-proof, impermeable to diffusion).

Cello® HR 290 ALG-04: Same as HR 290 ALG, but laminated with a silver-colored aluminum foil with scrim reinforcement for enhanced tear resistance.

Applications: Construction and farm machinery, buses/utility vehicles, heating/ventilation/AC systems, cabins/casings/hoods, machine construction, rail vehicles



TECHNICAL DATA

FLAMMABILITY	HR 290 ALG	HR 290 ALG-04
▶ FMVSS 302, DIN 75200	fulfilled	fulfilled
▶ ISO 3795	burning rate < 100 mm/min	burning rate < 100 mm/min
▶ ECE-R 118	annexes 6, 7 and 8 fulfilled (NK, ≥13 mm)	not tested
▶ UL94	V-0 (SK, ≥ 13 mm)	not tested
▶ EN 45545-2 	R1 + R7 + R17, HL 3 fulfilled (≥ 5 mm)	R1 + R7 + R17, HL 3 fulfilled (5-100 mm)
TEMPERATURE RESISTANCE	-50°C to +220°C with mechanical fixation -50°C to +150°C without mechanical fixation	
THERMAL CONDUCTIVITY OF MELAMINE FOAM	EN 12667: ≤ 0.034 W/(m·K) at 10°C	
DENSITY OF MELAMINE FOAM	DIN EN ISO 845: 9 ± 1.5 kg/m³	
TIGHTNESS	ECE R-118.1, Annex 9: Diesel, oil and water coming into contact with the surface cannot seep into the mat. (HR 290 ALG)	

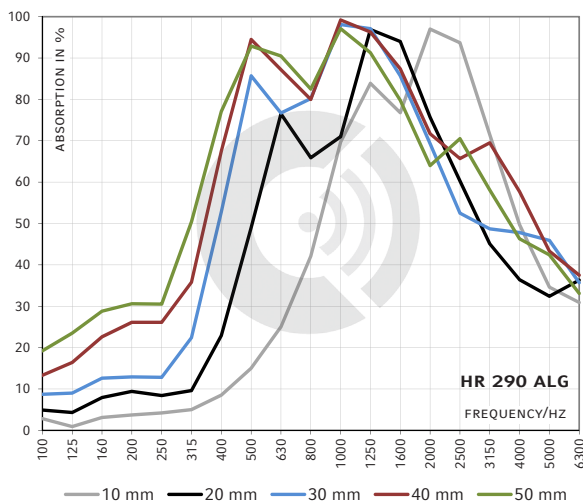
DIMENSIONS

PRODUCT	THICKNESS [mm]	THICKNESS TOLERANCE [mm]	SHEETS* [mm]
HR 290 ALG	10, 20, 30, 40, 50	to 30 ± 1.2	1250 X 1250 or
HR 290 ALG-04		> 30-50 ± 1.7	2100 X 1250

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.).

IMPEDANCE TUBE / DIN 10 534-2



BENEFITS

- ▶ High sound absorption values
- ▶ Good fire safety rating
- ▶ High temperature resistance
- ▶ Low thermal conductivity
- ▶ Very good chemical resistance against carbon hydrides and alcohol (DIN 53428)
- ▶ The aluminum foil prevents the penetration and accumulation of dust and liquids in the foam
- ▶ Reflects heat radiation

OPTIONS

- NK: no self-adhesive equipment
- SK: with self-adhesive finish

MORE INFORMATION

AIR POCKET TOLERANCES When melamine foam is produced, air pockets may form that become visible later on when the foam block is cut into sheets. The following tolerances apply for such air pockets for edges:

- Ø up to 5 mm: no restrictions
- Ø ≥ 5-15 mm: a maximum of 10 air pocket per m²
- Ø ≥ 15-25 mm: a maximum of 1 air pocket per m²

ADVICE



For sealing trimmed edges, we recommend our adhesive tapes: Cello® ALU-01 and Cello® ALU-04, tested acc. to EN 45545-2, R1 + R7 + R17, HL 3 fulfilled
 Cello® ALU-01: water vapor tightness as per ISO 15106-3 fulfilled

