

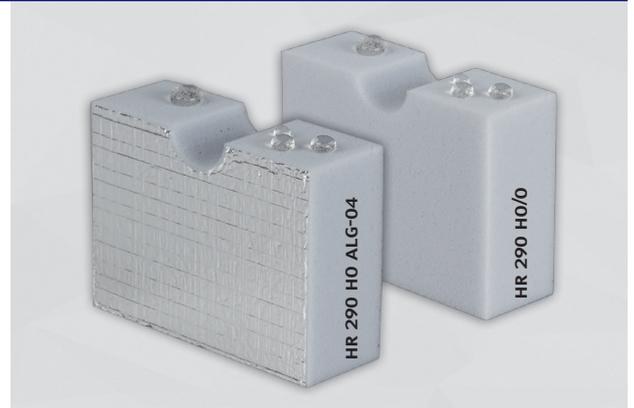


CELLO® HR 290 HO/O • HR 290 HO ALG-04

Cello® HR 290 HO/O: Soft grey melamine-resin foam, oil- and water-repellent, for noise absorption and thermal insulation purposes.

Cello® HR 290 HO ALG-04: Laminated with a silver-colored aluminum foil with scrim reinforcement for enhanced tear resistance.

Applications: Heating/ventilation/AC systems, machine construction, rail vehicles

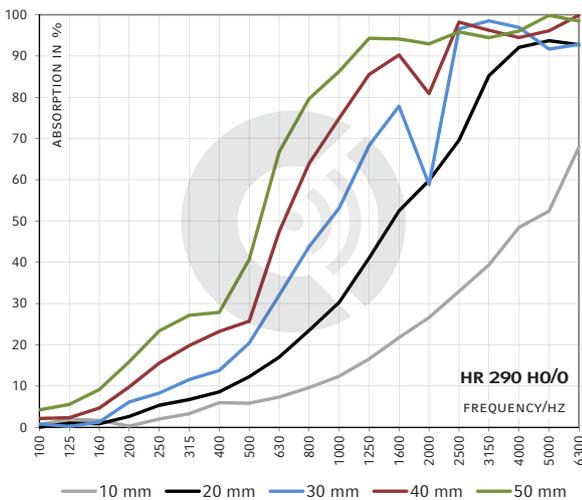


TECHNICAL DATA

FLAMMABILITY	<ul style="list-style-type: none"> ▶ FMVSS 302, DIN 75 200, fulfilled ▶ ISO 3795, burning rate < 100 mm/min ▶ EN 45545-2: appendix R1 + R7 + R17, HL 2 fulfilled (≥ 5 mm) (HR 290 HO/O) ▶ EN 45545-2: appendix R1 + R7 + R17, HL 3 fulfilled (10 mm) (HR 290 HO/O SK) ▶ EN 45545-2 2020: appendix R1 + R7 + R17, HL 3 fulfilled (5-100 mm) (HR 290 HO ALG-04) ▶ NFPA 130: ASTM E 162 and 662 fulfilled (HR 290 HO/O SK) ▶ ASTM E 1354 fulfilled (HR 290 HO/O SK) ▶ Bombardier SMP 800-C (HR 290 HO/O SK)
TEMPERATURE RESISTANCE	<ul style="list-style-type: none"> ▶ HR 290 HO/O: -50°C to +180°C ▶ HR 290 HO ALG-04: -50°C to +140°C
THERMAL CONDUCTIVITY OF MELAMINE FOAM / EN 12667	≤ 0.035 W/(m·K) at 10°C
DENSITY OF MELAMINE FOAM / DIN EN ISO 845	9 ± 1.5 kg/m ³
CHEMICAL RESISTANCE / DIN 53428	Resistance against light fuel, paraffin oil, glycerin and other chemicals



IMPEDANCE TUBE / DIN 10 534-2



DIMENSIONS

PRODUCT	THICKNESS [mm]	THICKNESS TOLERANCE [mm]	SHEETS* [mm]
HR 290 HO/O	5, 10, 20, 30, 40, 50	± 1	1050 X 1250 or 2100 X 1250
HR 290 HO ALG-04	5, 10, 20, 30, 40, 50	to 30 ± 1,2 > 30-50 ± 1,7	1050 X 1250 or 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.).

MORE INFORMATION

BENEFITS	<ul style="list-style-type: none"> ▶ Oil- and water-repellent finish ▶ Good fire safety rating ▶ High temperature resistance ▶ Low thermal conductivity ▶ The aluminum foil completely prevents the penetration of dust and liquids into the foam (HR 290 HO ALG-04) ▶ Reflects heat radiation (HR 290 HO ALG-04)
OPTIONS	<p>... NK: no self-adhesive equipment</p> <p>... SK: with self-adhesive finish</p>
AIR POCKET TOLERANCES	<p>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:</p> <p>Face side / edges: $\emptyset \geq 5-15$ mm: a maximum of 10 air pocket per m² $\emptyset \geq 15-25$ mm: a maximum of 1 air pocket per m²</p>
ADVICES	<ul style="list-style-type: none"> ▶ The oil- and water-repellent finish may lead to a slightly mottled surface appearance of the foam ▶ For sealing trimmed edges, we recommend our adhesive tape Cello® ALU-04. Adhesive tape tested acc. to EN 45545-2, meets requirements R1 + R7 + R17, HL 3

