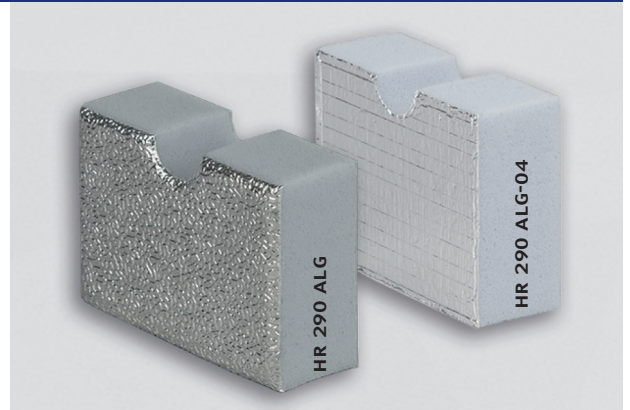


**CELLO® HR 290 ALG • CELLO® HR 290 ALG-04**

**Cello® HR 290 ALG:** Grey soft foam made from melamine resin, 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**

|   |   |
|---|---|
| <b>FLAMMABILITY</b>                                     | <ul style="list-style-type: none"> <li>▶ FMVSS 302, DIN 75 200, fulfilled</li> <li>▶ ISO 3795, burning rate &lt; 100 mm/min</li> <li>▶ ECE R-118, annexes 6, 7 and 8 fulfilled (HR 290 ALG)</li> <li>▶ UL94, V-0 (13 mm) (HR 290 ALG SK)</li> <li>▶ EN 45545-2 2016, requirement R1, HL 3 fulfilled (5-100 mm) (HR 290 ALG-04)</li> <li>▶ EN 45545-2 2013, requirement R1, HL 3 fulfilled (10-100 mm) (HR 290 ALG)</li> <li>▶ NFPA 130: ASTM E 162, I<sub>s</sub> = 0.4 (10 mm), I<sub>s</sub> = 0.6 (25 mm) (HR 290 ALG SK)<br/>ASTM E 662, D<sub>s</sub> (4.0) = 0 (10 mm), D<sub>s</sub> (4.0) = 10 (25 mm) (HR 290 ALG SK)</li> </ul> |
| <b>TEMPERATURE RESISTANCE</b>                           | <p>-50°C to +220°C with mechanical fixation<br/>-50°C to +150°C without mechanical fixation</p>   |
| <b>THERMAL CONDUCTIVITY OF MELAMINE FOAM / EN 12667</b> | ≤ 0.034 W/(m·K) at 10°C   |
| <b>DENSITY OF MELAMINE FOAM / DIN EN ISO 845</b>        | 9 ± 1.5 kg/m <sup>3</sup>   |
| <b>TIGHTNESS / ECE R-118.01, ANNEX 9</b>                | Diesel, oil and water coming into contact with the surface cannot seep into the mat.  |

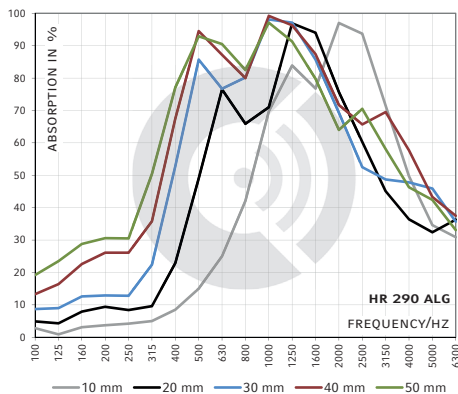
**DIMENSIONS**

| PRODUCT       | THICKNESS [mm]     | THICKNESS TOLERANCE [mm] | SHEETS* [mm]   |
|---------------|--------------------|--------------------------|----------------|
| HR 290 ALG    | 10, 20, 30, 40, 50 | ± 1                      | 1250 X 1250 OR |
| HR 290 ALG-04 |                    |                          | 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**

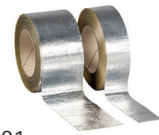
- ▶ High sound absorption values
- ▶ Good fire safety rating / High temperature resistance
- ▶ Low thermal conductivity
- ▶ Very good chemical resistance against carbon hydrides and alcohol (DIN 53428)
- ▶ The aluminum foil prevents the penetration and accumulation of dust and liquids in the foam
- ▶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

**OPTIONS**

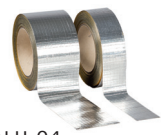
NK: no self-adhesive equipment  
SK: self-adhesive rear face

**ADVICE**

For sealing trimmed edges, we recommend our adhesive tapes:  
Cello® ALU-01 and  
Cello® ALU-04



ALU-01



ALU-04