



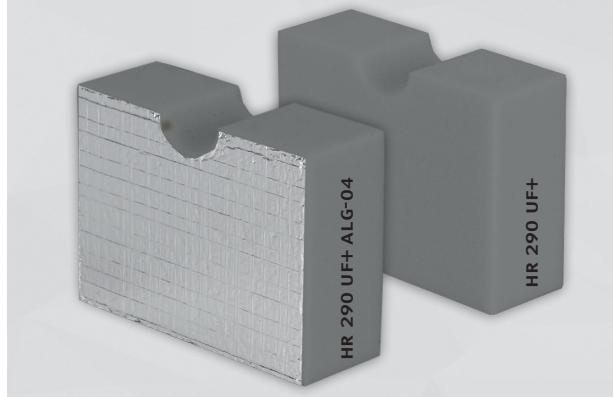
DATA SHEET

CELLO® HR 290 UF+ • CELLO® HR 290 UF+ ALG-04

Cello® HR 290 UF+: Light-weight, flexible grey soft foam made from melamine resin, for noise absorption and thermal insulation purposes. Its high elasticity allows customized solutions for applications involving very narrow gaps or strongly curved ceiling and wall surfaces.

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

Applications: Household appliances, heating/ventilation/AC systems, machine construction, medical technology, 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: requirement R1 + R7 + R17, HL 2 fulfilled (≥ 5 mm) (HR 290 UF+) ▶ EN 45545-2: requirement R1 + R7 + R17, HL 3 fulfilled (≥ 5 mm) (HR 290 UF+ ALG-04)
TEMPERATURE RESISTANCE	<ul style="list-style-type: none"> ▶ HR 290 UF+: -50°C to +180°C (short-term: up to +200°C) ▶ HR 290 UF+ ALG-04: -50°C to +140°C
THERMAL CONDUCTIVITY OF MELAMINE FOAM / EN 12667	$\leq 0.034 \text{ W/(m·K)}$ at 10°C
DENSITY OF MELAMINE FOAM / DIN EN ISO 845	7 ± 1.5 kg/m³

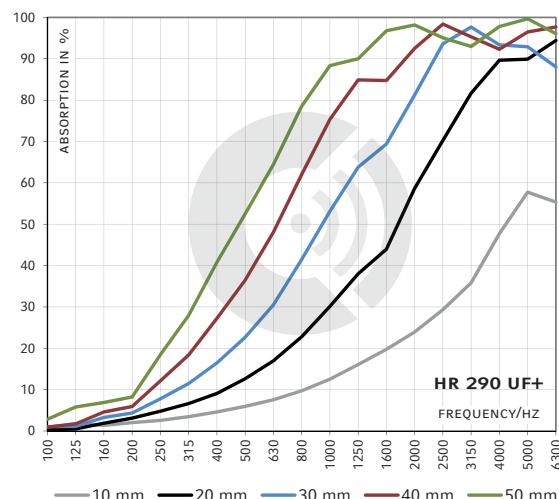
DIMENSIONS

PRODUCT	THICKNESS [mm]	THICKNESS TOLERANCE [mm]	SHEETS* [mm]
HR 290 UF+	10, 20, 30, 40, 50	± 1	1250 X 1250 or 2500 X 1250
HR 290 UF+ ALG-04	10, 20, 30, 40, 50	to 30 ± 1,2 > 30-50 ± 1,7	1250 X 1250 or 2500 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	<ul style="list-style-type: none"> ▶ High sound absorption values ▶ Excellent fire performance ▶ High temperature resistance ▶ Low thermal conductivity ▶ Low weight ▶ The aluminum foil completely prevents the penetration of dust and liquids into the foam (HR 290 UF+ ALG-04) ▶ Reflects heat radiation (HR 290 UF+ ALG-04)
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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 face side / 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

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

SEE OUR PROCESSING AND STORAGE INSTRUCTIONS

ISO 9001 CERTIFIED

CELLOFOAM INTERNATIONAL GMBH & CO. KG

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