

CELLO® F800 FR HO ALG-01 DRAIN

Fireproof, oil- and water-repellent polyester non-woven. The upper face is laminated with a corrosion-proof aluminum foil (0.1 mm) and the rear face is covered with a flexible matrix layer (10 mm).

The matrix layer allows condensate to drain away easily in any direction so that moisture will not accumulate in the non-woven material. The aluminum foil prevents the penetration of liquids and stops air from flowing through the insulation layer.

Applications: In wall and floor structures of rail vehicles.



Completely recyclable



TECHNICAL DATA

FLAMMABILITY	▶ FMVSS 302, DIN 75 200, fulfilled ▶ ISO 3795, burning rate < 100 mm/min ▶ EN 45545-2 2016, requirement R1, HL 3 fulfilled (≥ 20 mm) ▶ NFPA 130: ASTM E 162, $I_s = 0.4$ ASTM E 662, $D_s (4.0) = 1$ (25 mm) ASTM E 1354 (50 mm) fulfilled BSS 7238 + BSS 7239 (25 mm)		
TEMPERATURE RESISTANCE	-50°C to +100°C -50°C to +150°C (except for a potential change of dimensions)		
THERMAL CONDUCTIVITY PES NON-WOVEN / EN 12667	≤ 0.036 W/(m·K) at 10°C		
DENSITY OF NON-WOVEN / DIN EN 29073-1	24 kg/m³ ± 10%		
WEIGHT	20 mm: 555 g/m² 30 mm: 795 g/m²	40 mm: 1035 g/m² 50 mm: 1275 g/m²	60 mm: 1515 g/m²

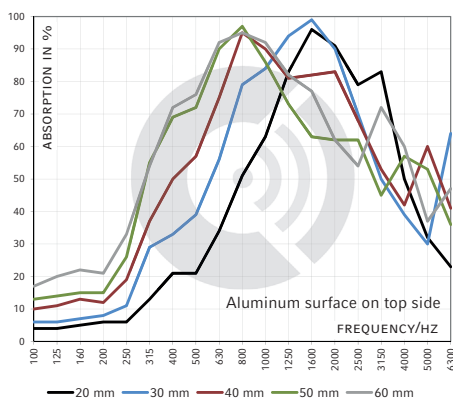
DIMENSIONS

PRODUCT	THICKNESS [mm]	THICKNESS TOLERANCE / DIN EN ISO 9073-2	SHEETS* [mm]
F800 FR HO ALG-01 DRAIN	20 - 80	± 20%	2100 x 1250 or 2800 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**
- ▶ Diffusion-proof aluminum film (ALG-01) as vapor barrier
 - ▶ The drainage function reliably prevents condensate soaking the absorber material and the formation of stagnant moisture
 - ▶ High shape stability in humid conditions, under extreme temperatures or in case of vibrations
 - ▶ Robust and flexible, the non-crush material withstands mechanical stress
 - ▶ No health risks because neither dust nor fibers are produced during manual or mechanical processing
 - ▶ No formaldehyde emissions
 - ▶ Very low thermal conductivity
 - ▶ High temperature resistance
 - ▶ Excellent sound absorption values

ADVICE Sheets must be stored in vertical position.