



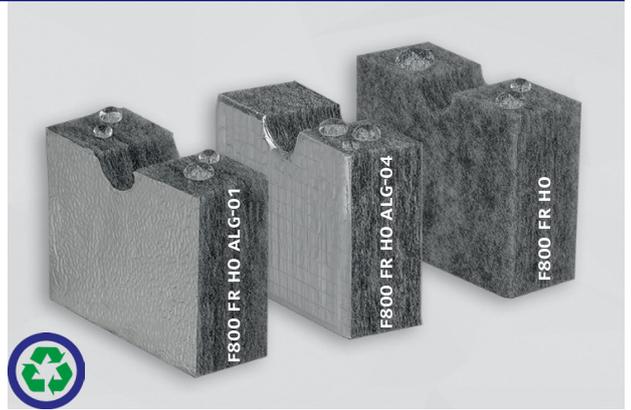
## CELLO® F800 FR HO | CELLO® F800 FR HO ALG-01 | CELLO® F800 FR HO ALG-04

**Cello® F800 FR HO:** Oil- and water-repellent polyester non-woven, mottled dark grey, for noise absorption and thermal insulation purposes.

**Cello® F800 FR HO ALG-01:** Front face additionally laminated with an embossed corrosion-resistant aluminum foil.

**Cello® F800 FR HO ALG-04:** Front face additionally laminated with a silver-colored aluminum foil with scrim reinforcement for enhanced tear resistance.

Applications: Machine construction, rail vehicles, motorboats/yachts



The PES non-woven consists of up to 28% recycled fibers, mainly from PET bottles.

### TECHNICAL DATA

FLAMMABILITY	F800 FR HO	F800 FR HO ALG-01	F800 FR HO ALG-04
▶ FMVSS 302, DIN 75200	fulfilled	fulfilled	fulfilled
▶ ISO 3795	burning rate < 100 mm/min	burning rate < 100 mm/min	burning rate < 100 mm/min
▶ EN 45545-2 2020 	not tested	R1 + R7 + R17, HL 3 fulfilled (≥ 5 mm)	R1 + R7 + R17, HL 3 fulfilled (≥ 5 mm)
▶ NFPA 130	not tested	ASTM E 162 and 662 fulfilled (sk)	not tested
▶ ASTM E 1354	not tested	fulfilled (sk)	not tested
▶ BOMBARDIER	not tested	SMP 800-C (sk)	not tested
▶ IMO FTPC, TEIL 5	not tested	not tested	flame-retardant (5-60 mm)
▶ UL 94	not tested	not tested	HF-1 (10 mm) (NK)
<b>TEMPERATURE RESISTANCE</b>	-50°C to +100°C -50°C to +150°C (except for a potential change of dimensions)		
<b>THERMAL CONDUCTIVITY</b>	EN 12667: ≤ 0.037 W/(m·K) at 10°C		
<b>DENSITY</b>	DIN EN 29073-1: 24 kg/m³ ± 10%		

### DIMENSIONS

PRODUCT	THICKNESS [mm]	THICKNESS TOLERANCE / DIN EN ISO 9073-2	SHEETS* [mm]
F800 FR HO	10, 20, 30, 40, 50	± 10%, at 10 mm: ± 25%	2100 X 1250
F800 FR HO ALG-01			
F800 FR HO ALG-04			

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

- ▶ No long-term humidity retention
- ▶ Very good protection against water splashes
- ▶ In vibration tests, the fiber composite showed no tendency to break up
- ▶ The aluminum foil protects the material against the penetration of liquids, ensuring that the product meets the highest hygiene requirements (F800 FR HO ALG-01 + ALG-04)
- ▶ Does not provide a substrate for mold and fungal growth (F800 FR HO ALG-01 + ALG-04)
- ▶ Excellent sound absorption values

### OPTIONS

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

### ADVICES

- ▶ Sheets must be stored in vertical position
- ▶ For sealing trimmed edges, we recommend:
  - » F800 FR HO ALG-01: Adhesive tape Cello® ALU-01
  - » F800 FR HO ALG-04: Adhesive tape Cello® ALU-04



Adhesive tape tested acc. to EN 45545-2: R1 + R7 + R17, HL 3 fulfilled

Cello® ALU-01 adhesive tape: water vapor tightness as per ISO 15106-3 fulfilled



ALU-01

ALU-04

## IMPEDANCE TUBE / DIN 10 534-2

## DRAIN-OFF BEHAVIOR AFTER IMMERSION IN WATER / PSA D451429

