

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.

Cello® F800 FR HO ALG-01: Front face additionally laminated with a corrosion-resistant aluminum foil (0.1 mm).

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

Applications: Buses/utility vehicles, machine construction, rail vehicles, shipbuilding


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
ECE-R 118	expired 07/16	annexes 6, 7 + 8 fulfilled	annexes 6 + 8 fulfilled
EN 45545-2 2013	not tested	requirement R1, HL 3 fulfilled (≥ 10 mm)	requirement R1, HL 3 fulfilled (≥ 5 mm)
DIN 5510-2	S4, SR2, ST2 (50 mm) and FED ≤ 1 fulfilled (25 mm)	S3, SR2, ST2 (10-50 mm) and FED ≤ 1 fulfilled (25 mm)	not tested
NF F 16-101	not tested	F1 (25 mm)	not tested
NF P 92-501	not tested	M1 (10-80 mm)	not tested
UNI 8457	not tested	Class 1A (10-80 mm), test method: wall	not tested
NFPA 130	not tested	ASTM E 162, I _s = 1.7 (10mm), I _s = 1.0 (25 mm) (NK) ASTM E 662, D _s (4.0) = 5 (25 mm) (NK) BSS 7238 + BSS 7239 (25 mm)	not tested
IMO FTPC, TEIL 5	not tested	not tested	flame-retardant (5-60 mm)
ISO 4589-3	not tested	oxygen index: = 36.2%	not tested
GOST	not tested	fire safety: 12.1.044	not tested
UL 94	not tested	not tested	HF-1 (10 mm) (NK)

TEMPERATURE RESISTANCE	-50°C to +100°C -50°C to +150°C (except for a potential change of dimensions)
THERMAL CONDUCTIVITY / EN 12667	≤ 0.035 W/(m·K) at 10°C
DENSITY / DIN EN 29073-1	24 kg/m³ ± 10%
TIGHTNESS / ECE R-118.01, ANNEX 9	Diesel, oil and water coming into contact with the surface cannot seep into the non-woven. (F800 FR HO ALG-01 + F800 FR HO ALG-04)

DIMENSIONS

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

CELLO® F800 FR HO • CELLO® F800 FR HO ALG-01 • CELLO® F800 FR HO ALG-04
BENEFITS

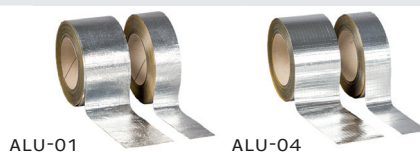
- ▶ No long-term humidity retention
- ▶ Very good protection against water splashes
- ▶ In vibration tests, the fiber composite showed no tendency to break up
- ▶ The aluminum foil protects the material against the penetration of liquids, ensuring that the product meets the highest hygiene requirements (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: self-adhesive rear face
 F800 FR HO/53: F800 FR HO laminated with a polyester non-woven for additional protection and visually appealing design

ADVICE

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


IMPEDANCE TUBE / DIN 10 534-2
DRAIN-OFF BEHAVIOR AFTER IMMERSION IN WATER / PSA D451429
