



CELLO® SBF

Cello® SBF: Self-adhesive, elastomermodified bitumen film types, which are used for the sound insulation and attenuation of metal sheets and metal parts.

Cello® SBF 5 ALG: Same as SBF, but with aluminum surface layer.

Applications: Household appliances, cabins/casings/hoods, heating/ventilation/AC systems, machine construction, medical technology, rail vehicles



SAMPLE SBF 3 SK (SBF 10 SK sample on request)

TECHNICAL DATA

FLAMMABILITY



- ▶ FMVSS 302, DIN 75 200, fulfilled
- ▶ ISO 3795, burning rate < 100 mm/min
- ▶ EN 45545-2: requirement R1, HL 3 fulfilled (SBF 5 ALG)

TEMPERATURE RESISTANCE

placed on a steel surface: -30°C to +100°C

WEIGHT

SBF 3: 3 ± 0.3 kg/m² **SBF 10:** 10 ± 0.5 kg/m² **SBF 5 ALG:** 5 ± 0.5 kg/m²

SOUND TRANSMISSION LOSS / INSULATION ENHANCEMENT

SBF 3: + 3 dB **SBF 10:** + 8 dB **SBF 5 ALG:** + 5 dB

LOSS FACTOR / DIN EN ISO 6721-3

SBF 3: > 0.08 **SBF 10:** > 0.38 **SBF 5 ALG:** > 0.18

APPLIED ON 1 MM STEEL SHEET AT 20°C / 200 HZ

ADHESION TO STEEL SHEET

acc. to Cellofoam test instruction 4.01: > 15 N / 5 cm at 20°C

DIMENSIONS

PRODUCT	THICKNESS [mm]	THICKNESS TOLERANCE [mm]	SHEETS* [mm]
SBF 3	1.8	± 0.2	1500 X 1000
SBF 10	5.5	± 0.5	1500 X 1000
SBF 5 ALG	2.7	± 0.5	1500 X 1000

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.).



SAMPLE SBF 5 ALG SK

BENEFITS

- ▶ Excellent sound insulation values
- ▶ Very good flammability characteristics
- ▶ High temperature resistance
- ▶ Reflection of heat radiation (SBF 5 ALG)

ADVICE

- ▶ In case of cold bonding, the pressure applied during bonding is decisive for adhesion reliability. Please take care to apply uniform pressure to the entire surface of the parts, for example with a roller.
- ▶ When applied on vertical surfaces or overhead, additional mechanical fixation is recommended.