

Teroform® combination systems for sound insulation, sound deadening and sound absorption

Brand's name	Teroform					
Product description	Sound insulation mat, consisting of a base layer of a heavy, flexible and visco-elastic synthetic foil/sheet, with exceptionally good sound deadening and soundproofing properties, combined with a layer of a polyurethane sound-absorption foam with a very good fire resistance. The mats are self-adhesive on the side of the heavy foil, the adhesive covered with a PE-foil, to be released before applying.					
Fields of application	Destined for the equipment of casings made of sheet-metal or hard-plastic, e.g. in the production of office machinery, medicinal/laboratory equipment, household machinery etc. Also for enhancing the acoustic properties of compressor bodies, ventilation/climatisation ducts or other sheet-metal or hard plastic bodies, built around noisy motors/engines in industry and construction.					
Types	3821 SK	3822 SK	3831 SK	3832 SK	3851 SK	3852 SK
Thickness/Density Heavy foil (2,4 g/cm ³) PUR foam (30 kg/m ³) Total	2,0 mm 10,0 mm 12,0 mm	2,0 mm 20,0 mm 22,0 mm	3,5 mm 10,0 mm 13,5 mm	3,5 mm 20,0 mm 23,5 mm	5,0 mm 10,0 mm 15,0 mm	5,0 mm 20,0 mm 25,0 mm
Weight, kg per m ²	5,5	6,0	8,5	9,0	12,5	13,0
Acoustic properties:						
Soundproofing indice R_w (airborne sound, acc. to ISO 717-1)	25 dB	25 dB	29 dB	29 dB	32 dB	32 dB
Intensity loss factor d (structure borne sound, acc. to DIN 53440, on steel sheet 1 mm, 200 Hz at temp. -20°C to +40°C)	0,04 to 0,17	0,04 to 0,17	0,06 to 0,27	0,06 to 0,27	0,08 to 0,30	0,08 to 0,30
Sound absorbing value % (airborne sound, acc. to DIN 52215, at 1000 Hz)	50%	66%	50%	66%	50%	66%
Flammability classification: Acc. to DIN 4102 (D) Acc. to VKF (CH) Acc. to UL 94 (USA)	Heavy sheet: B 1 (tests running) / PUR rubber foam: B 2 Heavy sheet: BKZ 5.3 / PUR rubber foam: BKZ 5.2 Heavy sheet: V 0 (tests running) / PUR rubber foam: HF 1					
Heat/cold resistance	Short time < 1 hr: -40° C to +120° C Permanently: -40° C to +100° C					
Size	100 x 50 cm (standard) on request and considering quantities, other sizes are possible					
Color, appearance	Dark grey, fine porous surface					
Recommended temp. for handling and storage	+ 15° C to + 30° C					
Type of self-adhesive	Dispersion of acrylic-copolymers, VOC free					

**All of the above types are also produced self-adhesive on the foam's side (SSK).
On request and considering quantities, mats are also obtainable with a thicker PUR-foam layer!**

CH-8355 Aadorf, July 2006



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