

Teroform® flexible synthetic heavy-sheets for sound insulation and sound deadening

Brand's name	Teroform®						
Product description	Heavy, flexible and visco-elastic sound-deadening foil/sheet, synthetic polymer based (EVA), filled with mineralic substances. Free of heavy metals and asbestos fibres. Destined to enhance the soundproofing properties of light construction elements of wood, chip-wood, plasterboard, fibreboard, hard-plastic or sheet-metal. Or else, to dampen structure-borne sound (noise) transmitted through and emitted by constructions of sheet-metal or duroplastic. Teroform sheets can be used to build composite sandwich elements (non-adhesive types), or they can be bonded superficially to the elements (selfadhesive types)						
Fields of application	<p>Construction: Production of door elements, partition-wall elements of chip-wood, plasterboard, fibreboard, elements for enlarging window-frames, roofing or ceiling plates. Upgrading of the sound insulation of shutter boxes, dry floors, dry walls, or roofing constructions in building renovations.</p> <p>Industry: ventilation and climatization ducts, machinery casings, trucks or other vehicle bodies, casings of conveying or transportation devices, etc.</p>						
Color, appearance	Anthracite (dark-grey), dull surface						
Density	2,4 g per cm ³						
Types	6011	6012	6013	2811	2812	2813	2821
	non adhesive			self-adhesive, one side			selfadhesive, both sides
Sizes, in cm (standard)	210 x 110 200 x 100	210 x 110 200 x 100	210 x 110	100 x 50	100 x 50	100 x 50	100 x 50
Thickness in mm (possible deviation +/-0,25)	2,0	3,5	5,0	2,1	3,6	5,1	2,2
Weigth, kg per sq.m	5,0	8,0	12,0	5,1	8,1	12,1	5,2
Acoustic properties: Soundproofing indice R_w (air-borne sound, acc. to ISO 717-1) Intensity loss factor d (structure-borne sound, acc. to DIN 53440, 200 Hz, on steel sheet 1 mm)	25 dB 0,04 to 0,17	29 dB 0,06 to 0,27	32 dB 0,08 to 0,30	25 dB 0,04 to 0,17	29 dB 0,06 to 0,27	32 dB 0,08 to 0,30	25 dB 0,04 to 0,17
Heat/cold resistance	-40° C to + 100° C (permanently) -40° C to + 150° C (short time, <1h)			-40° C to + 100° C (permanently) -40° C to + 120° C (short time, <1h)			
Type of adhesive	---			Dispersion of acrylic co-polymers, VOC free			
Flammability classification	Acc. to DIN 4102 (D): B2 Acc. to VKF (CH): BKZ 5.3						
Recommended handling and application temperature	+15° C to +30° C						
Recommended storage temperature	+20° C						

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