

Terodem®+Terosorb® combination systems for soundproofing, sound deadening, sound absorption

Brand's name	Terodem						Terosorb		
Types	4110 HK	4120 HK	4405	4410	4420	4611 H	4621 HK	4710 F	4720 F
Product description	Polyurethane sound-absorption-foam-mats with surface protection skin, self-adhesive		Combination system, consisting of a layer of bituminated felt-cardboard (sound deadening base) and a layer of PUR absorption foam mat, self-adhesive			Combination system, consisting of a base of bitumen sheet and a PUR absorption foam mat with protection skin, self-adhesive		Combination system, consisting of a base of bitumen sheet and a specially heavy PUR absorption foam mat, self adhesive	
Color, appearance (visible side)	anthracite black slightly shiny		dark grey fine-porous			anthracite black, slightly shiny		anthracite black fine-porous	
Weight, in kg per m2	0,5	1,0	1,7	1,8	2,0	3,2	3,4	3,4	3,8
Total thickness mm	10,0	20,0	5,5	10,5	19,5	11,5	21,5	10,5	20,5
Thickness of sound-deadening layer mm	-	-	1,5	1,5	1,5	1,5	1,5	1,5	1,5
Thickness of absorption foam-mat mm	10,0	20,0	4,0	9,0	18,0	10,0	20,0	9,0	19,0
Thickness of surface protection-skin µm	25	25	-	-	-	25	25	-	-
Heat-/cold resistance									
Short time < 1 h	-30°C to +150°C		-30°C to +120°C			-30°C to +100°C		-30°C to +100°C	
Permanently > 336 h	-30°C to +90°C		-30°C to +90°C			-30°C to +80°C		-30°C to +80°C	
Acoustic properties									
Soundproofing indice R_w (air borne sound, acc. to ISO 717-1)	-	-	13 dB	13 dB	14 dB	18 dB	19 dB	20 dB	21 dB
Intensity loss factor d (structure-borne sound acc. to DIN 53440, on steel sheet 1 mm, 20 Hz, at temperature of +20°C)	-	-	0,09	0,09	0,09	0,09	0,09	0,09	0,09
Sound absorbing value % (airborne sound, acc. to DIN 52215, 1000 Hz)	70%	80%		60%	70%	70%	80%	70%	80%
Size (standard)	100 x 50 cm								
Flammability classification	Acc. to DIN 4102 (D): B 2								
Type of (self-) adhesive	Dispersion of acrylic-copolymers, VOC free								
Recommended handling and application temperature	+15°C to +30°C Handle with care the types 46../47..., risk of breaking the bitumen base layer at temp. below +10°C !								
Recommended storage temperature	+20° C								

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T +41 52 368 00 25 | F +41 52 368 00 21
info@perakustik.ch | www.perakustik.ch