



DBRED ZERODB GIPS

MULTILAYER BOARD FOR THE ACOUSTIC INSULATION OF PARTITION WALLS
AND SOUNDPROOF DRY WALLS

DBRED ZERODB GIPS

Multilayer board for the acoustic insulation of partition walls and soundproof dry walls

COMPOSITION	Selected SBR rubber bonded with polyurethane resins (MDI), joined to plasterboard.				
COLOR	<i>Rubber: black or black with colored pigments **. Plasterboard: white.</i>				
FIELDS OF APPLICATION	Increase of the acoustic insulation of vertical partitions and for soundproof dry structures.				
THICKNESS AND WEIGHT	PRODUCT	RUBBER THICK. mm	PLASTERBOARD THICKNESS mm	TOTAL THICKNESS mm	SQUARE METER WEIGHT kg/m ²
	ZerodB Gips 150-5	5	15	20	≈ 15,60
	ZerodB Gips 150-10	10	15	25	≈ 19,30
ACOUSTIC PERFORMANCES *	DESCRIPTION	R _w [dB]	ΔR _w [dB]	TEST REPORT	ISTITUTE
	Walls on self-supporting body with steel pillars 50 x 50 mm and ZerodB Gips boards 150-10 on masonry of punctured brick (thick. 12 cm), plastered on both sides. <i>Thick. 85 mm.</i>	63	18	10-0380-06	I.N.RI.M
	Walls on self-supporting body with steel pillars 27 x 50 mm and ZerodB Gips boards 150-5 on masonry of punctured brick (thick. 12 cm), plastered on both sides. <i>Thick. 50 mm.</i>	61	15	001-2013-IAP 002-2013-IAP	Z Lab S.r.l.
	Walls on self-supporting body with steel pillars 15 x 50 mm and ZerodB Gips boards 150-10 on masonry of punctured brick (thick. 12 cm), plastered on both sides. <i>Thick. 40 mm.</i>	55	9	003-2013-IAP 004-2013-IAP	Z Lab S.r.l.
	Walls on self-supporting body with steel pillars 15 x 50 mm and ZerodB Gips boards 150-5 on masonry of punctured brick (thick. 12 cm), plastered on both sides. <i>Thick. 35 mm.</i>	52	6	005-2013-IAP 006-2013-IAP	Z Lab S.r.l.
	Walls with ZerodB Gips boards 150-10, glued on masonry of punctured brick (thick. 12 cm), plastered on both sides. <i>Thick. 25 mm.</i>	53	7	007-2013-IAP 008-2013-IAP	Z Lab S.r.l.
	Dry wall composed of a single metallic warp, covered on both sides with the ZerodB Gips 150-10 board.	55	-	161-2016-IAP	Z Lab S.r.l.

* Testing carried out according to UNI EN ISO 10140-2 and UNI EN ISO 717-1

** The colour may change according to the production batch.



dBred Noise Reduction Division



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	DESCRIPTION	R _w [dB]	ΔR _w [dB]	TEST REPORT	ISTITUTE	
ACOUSTIC PERFORMANCES * * Testing carried out according to UNI EN ISO 10140-2 and UNI EN ISO 717-1	Dry wall composed of a single metallic warp, covered on both sides with the ZerodB Gips 150-10 board.	55	-	161-2016-IAP	Z Lab S.r.l.	
	Dry wall composed of a single metallic warp, covered on both sides with a traditional plasterboard and a ZerodB Gips 150-10 board.	58	-	132-2016-IAP	Z Lab S.r.l.	
	Dry wall composed of a double metallic warp with double covering (one plasterboard and one ZerodB Gips 150-10 board) on both sides and a double board insertion (one plasterboard and one ZerodB Gips 150-10 board).	75	-	133-2016-IAP	Z Lab S.r.l.	
	DESCRIPTION	L' _{nw} [dB]	ΔL [dB]	TEST REPORT	ISTITUTE	
ACOUSTIC PERFORMANCES * * Testing carried out according to UNI EN ISO 16283-2 and UNI EN ISO 717-2	False ceiling realized with air space 40 mm, stone wool board 60 mm, ZerodB Gips 150-10 (tot. thick. 125 mm).	55	18	-	-	
<i>NB: The right application should avoid that the wall realized with the ZerodB Gips boards has cracks and/or holes and/or openings both on the panels and lateral, upper and lower edges, in order to obtain the expected performances.</i>						
FIRE REACTIVITY CLASS	B-s1,d0 * * ex: Italian Class 1, as by DM 15/3/2005	Norm: UNI EN 13501-1				
THERMAL TRANSMITTANCE [W/m²K]	ZerodB Gips 150-5	9,52				
	ZerodB Gips 150-10	6,71				
PACKAGING	PRODUCT	BOARD DIMENSIONS cm	m² PER BOARD	Nr. BOARDS PER PALLET	m² PER PALLET	PALLET WEIGHT kg
	ZerodB Gips 150-5	120 x 200	2,4	28	67,2	1090
	ZerodB Gips 150-10			23	55,2	1107

PLASTERBOARD INFORMATION

COMPOSITION	Emidrated and rehydrated gypsum core, armed on both faces with cellulosic material with function of external reinforcement (Norm. UNI EN 520).				
COLOR	White.				
TECHNICAL CHARACTERISTICS	CHARACTERISTIC	TECHNICAL DATA		NORM	
	THICKNESS mm	15	± 0,5	UNI EN 520-5.4	
	TYPE	A		UNI EN 520-3.2	
	EDGES	Thinned edge, longitudinal		-	
		Stright edge, transversal			
	WIDTH mm	1200	{0/-4}	UNI EN 520-5.2	
	LENGHT mm	2000	{0/-5}	UNI EN 520-5.3	
	OUT OF SQUARE mm/m	≤ 2,5	-	UNI EN 520-5.5	
	WEIGHT kg/m²	11,9		-	



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PLASTERBOARD INFORMATION

TECHNICAL CHARACTERISTICS	TENSILE FLEXURAL	Long. 650 N - Transv. 250 N	UNI EN 520-4.1.2
	VAPOUR DIFFUSION RESISTANCE FACTOR μ	Dry field: 10 Wet field: 4	UNI EN ISO 10456
	SPECIFIC THERMAL CAPACITY J/JgK	1000	UNI EN ISO 10456
	THERMAL CONDUCTIVITY λ W/mK	0,25	UNI EN ISO 10456

RUBBER PANEL INFORMATION

COMPOSITION	Selected SBR rubber bound with polyurethane resins (MDI).		
COLOR	Black or black with colored pigments **.		
TECHNICAL CHARACTERISTICS	CHARACTERISTIC	TECHNICAL DATA	NORM
	THICKNESS mm	5	UNI EN 520-5.12
		10	
	SQUARE METER WEIGHT kg/m ²	5 mm: ~ 3,70	-
		10 mm: ~ 7,40	
	SPECIFIC WEIGHT kg/m ³	740 \pm 10%	-
	TENSILE STRENGTH N/mm ²	5 mm: 0,50	DIN EN ISO 1798
		10 mm: 0,60	
	ELONGATION AT BREAK	5 mm: 48%	DIN EN ISO 1798
		10 mm: 55%	
	STRESS TO 25% COMPRESSION N/mm ²	5 mm: 0,70	DIN EN ISO 3386-2
		10 mm: 0,75	
TEMPERATURE RESISTANCE	from - 40 to + 115 °C	-	
DECLARED THERMAL CONDUCTIVITY λ_D W/mK	0,112 W/mK	UNI EN 12667	
DYNAMIC STIFFNESS s'_t	5 mm: 62 MN/m ³	UNI EN 29052-1	
	10 mm: 42 MN/m ³		

All the indications provided in this technical sheet are purely approximate and not binding for legal purpose. The data listed has been gathered from laboratory test and it hence follows that in practical applications on building sites the final products may be subject to variations depending on meteorological conditions and the installation. The user must always check suitability of the product for its specific use, undertaking all liability implicit in and deriving from use of the product, as well as comply with all methods and instruction for use generally referable to "workmanlike" execution. Edilteco S.p.A reserves the right to change the contents of this mechanical data sheet on its final judgment. The spreading of this data sheet through any media, supersedes and cancels the validity of any other technical data sheet previously published.

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