TECHNICAL DATA SHEET



MONOWALL

DESCRIPTION	Self-supporting metal panel, insulated as wall cladding. The panels are manuf slightly corrugated, in prepainted galvainsulation of polyisocyanurate foam m 80mm (Subsequently up to 200mm).	actured with two metal sheets anized/zinc-aluminium. The thermal
GEOMETRICAL FEATURES	MONOWALL® B "Hnits" MONOWALL® B "Hnits" Lato 2 Length: upon customer request, with a Cover width: 1000m Thickness: 40, 60, 80, 100, 120, 140mm	a max length of 13,5m
SPECIFICATION	The metal insulated wall / cladding sha outer skins from pre-painted galvanise polyisocyanurate core, with a net cove be obtained from The Insulation Comp	d / zinc-aluminium steel and a r width of 1000mm. Monowall shall
DENSITY	35kg/m³ - 40kg/m³	
WEIGHT	40mm: 8,32kg/m² 60mm: 9,12kg/m² 80mm: 9,92kg/m² 100mm: 10,72kg/m² 120mm: 11,52kg/m² *metal skin thickness of 0.4/0.4mm	
THERMAL PERFORMANCE	R-VALUE 40mm: 1.78 60mm: 2.78 80mm: 3.85 100mm: 4.76 120mm: 5.88	U-VALUE 40mm: 0.56 60mm: 0.36 80mm: 0.26 100mm: 0.21 120mm: 0.17

TECHNICAL DATA SHEET



MONOWALL

		SA PIR Rating: SANS428 B/B1/2											
	Inter	International PIR rating: FM4880, 4881											
		AUS Bush attack: BAL-40, 200mm - BAL-FZ											
	Fire	Fire B; Smoke S1; Drops d0											
LOAD CAPACITY	The f	The following values (in daN/m) are for uniformly distributed loads, for											
	pane	panels made from sheet steel minimum quality S250GD and have been											
	calcu	calculated in accordance with standard product EN 14509:2023.											
	The v	The width of the support/frame is considered 100mm.											
		The tables do not consider the effects due to the different temperatures between the internal and external metal sheets, as per different climatic											
				.Ciliai ai	iu exter	mai me	ai siicei	.s, as pe	i diller	ciit ciiiii	atic		
		conditions.											
		It is the responsibility of the design engineer to check the fasteners according to the design loads.											
	acco												
		support width = 100 mm											
	s		thickness	CHICAGO ISSUE				Δ / Δ					
	mm	1 -m	1,5	2	2,5	3	3,5	4	4,5	5	5,5		
	25		180	115	70								
	30	İ	220	155	95	65							
	35	1	260	195	125	<u>85</u>	<u>55</u>						
	40	E	300	225	155	105	<u>75</u>	<u>50</u>					
	50	daNm	375	280	220	150	105	80	60				
		d.	Contract 1		N managers	- 1000 to 1		Constitution	7 2000	Contract M			
	60	- 4.	495	340	270	200	145	105	80	60	50		
	80		495 610	340 455	270 365	<u>200</u> 305	<u>145</u> 230	<u>105</u> <u>175</u>	80 135	60 105	<u>50</u> <u>80</u>		
	-			2000000			- P	Contractor Contractor			14 (147)		
	80		610	455	365	305	230	<u>175</u>	<u>135</u>	105	<u>80</u>		
	80 100	supp	610 765	455 570 690 = <u>100</u> mm	365 455	305 380 460	230 285 345	175 220 265	135 175 210	<u>105</u> 140	80 115 140		
	80 100 120	supp	610 765 920 poort width	455 570 690 = <u>100</u> mm	365 455	305 380 460	230 285 345	175 220 265	135 175 210	105 140 170	80 115 140		
	80 100 120 S mm	supp	610 765 920 poort width	455 570 690 = 100 mm s 0,4+0,4 2 115	365 455 550 2,5	305 380 460 3 65	230 285 345 p IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	175 220 265 ∆	135 175 210	105 140 170 170 □	<u>80</u> 115 140 Δ		
	80 100 120 S mm 25 30	supp	610 765 920 poort width thickness 1,5 155 190	455 570 690 = 100 mm s 0,4+0,4 2 115 140	365 455 550 2,5 90 105	305 380 460 3 65 75	230 285 345 D D 3,5 55	175 220 265 ∆ 4	135 175 210	105 140 170 170 □	80 115 140 △		
	80 100 120 S mm 25 30 35	supp stee	610 765 920 port width I thickness 1,5 155 190 225	455 570 690 = 100 mm s 0,4+0,4 2 115 140 165	365 455 550 2,5 90 105 120	305 380 460 460 3 65 75 85	230 285 345 Δ , 3,5 55 65	175 220 265 △ △ 4	135 175 210	105 140 170 170 □	<u>80</u> 115 140 △		
	80 100 120 S mm 25 30 35 40	supp stee	610 765 920 port width 1 thickness 1,5 155 190 225 160	455 570 690 = 100 mm s 0,4+0,4 2 115 140 165 190	365 455 550 2,5 90 105 120 130	305 380 460 460 3 65 75 85 95	230 285 345 D 3,5 55 65 70	175 220 265 △ △ 4	135 175 210 p	105 140 170 170 □	<u>80</u> 115 140 △		
	80 100 120 S mm 25 30 35 40	supp stee	610 765 920 oort width 1,5 155 190 225 160 330	455 570 690 = 100 mm s 0,4+0,4 2 115 140 165 190 230	365 455 550 2,5 90 105 120 130	305 380 460 460 3 65 75 85 95 115	230 285 345 D 3,5 3,5 55 65 70 85	175 220 265 △ 4 4 50 55 65	135 175 210 p 4,5	105 140 170	<u>80</u> 115 140 △		
	80 100 120 S mm 25 30 35 40 50	supp	610 765 920 oort width thickness 1,5 155 190 225 160 330 405	455 570 690 = 100 mm 5 0,4+0,4 2 115 140 165 190 230 260	365 455 550 2,5 90 105 120 130 155 175	305 380 460 3 65 75 85 95 115 130	230 285 345 0 3,5 55 65 70 85 100	175 220 265 Δ 4 4 50 55 65 80	135 175 210 p 4,5	105 140 170 p p ∆ / 5	80 115 140 Δ 5,5		
	80 100 120 S mm 25 30 35 40	supp stee	610 765 920 oort width 1,5 155 190 225 160 330	455 570 690 = 100 mm s 0,4+0,4 2 115 140 165 190 230	365 455 550 2,5 90 105 120 130	305 380 460 460 3 65 75 85 95 115	230 285 345 D 3,5 3,5 55 65 70 85	175 220 265 △ 4 4 50 55 65	135 175 210 p 4,5	105 140 170	<u>80</u> 115 140 △		

TECHNICAL DATA SHEET



MONOWALL

