

## Technical Data Sheet WALLSPEED SPECIAL PANEL



WALLSPEED drywall system

Made in IRAN - Swiss license

SPECIAL



Item	Units	WALLSPEED S(E10C8)	WALLSPEED S(E12C10)	WALLSPEED S(E14C12)	WALLSPEED S(E16C14)
Weight	Kg/m2	4.83	5.445	6.2	7.06
EPS Density after 10 days	Kg/m3	22	22	22	22
Galvanized Profiles thickness C&U (t)	mm	0.6*	0.6*	0.6*	0.6*
Galvanized Profiles zinc Coating	µm	120	120	120	120
EPS colour	-	white	white	white	white
Maximum of height	Cm	425	580	620	700

Maximum flexural strength (DIN4103)	Kg	1570	1650	1710	1890
Impact testing (DIN 4103)	(DIN 4103) IR11272	Pass	Pass	Pass	Pass

CFC content	%	nil- 0%	nil- 0%	nil- 0%	nil- 0%
EPS Moisture content	%	less than 1%	less than 1%	less than 1%	less than 1%
Acoustic insulation (Rw)	db	40	42	45	50
Resistance Value ( R ) with plasterboard standard (ASTM C 1363)	W/m2.K	3.39	3.9	4.41	4.93
Resistance Value ( R ) without plasterboard standard (ASTM C 1363)	W/m2.K	2.56	3.07	3.58	4.1
(U) value with plasterboard standard (ASTM C 1363)	W/m2.K	0.29	0.26	0.23	0.20
(U) value without plasterboard standard (ASTM C 1363)	W/m2.K	0.39	0.33	0.28	0.24
EPS Thermal Conductivity (λ) standard (ASTM C 1363)	W/m.K	0.039	0.039	0.039	0.039

EPS Combustibility	Test Metod				
	Behaviour of panels in Fire	1-DIN4102 (B2) 2-EN 13501-1 / EN 13823 / EN ISO 11925-2 3- ISIRI 7271-4 (class E)	Pass	Pass	Pass
Fire propagation index	Pass Slow burning Self-extinguishing		Pass Slow burning Self-extinguishing	Pass Slow burning Self-extinguishing	Pass Slow burning Self-extinguishing
Surface spread of flame	Pass		Pass	Pass	Pass
	Pass Self-extinguishing		Pass Self-extinguishing	Pass Self-extinguishing	Pass Self-extinguishing

\*Production thicknesses (t)=0.6,0.7,0.8 mm