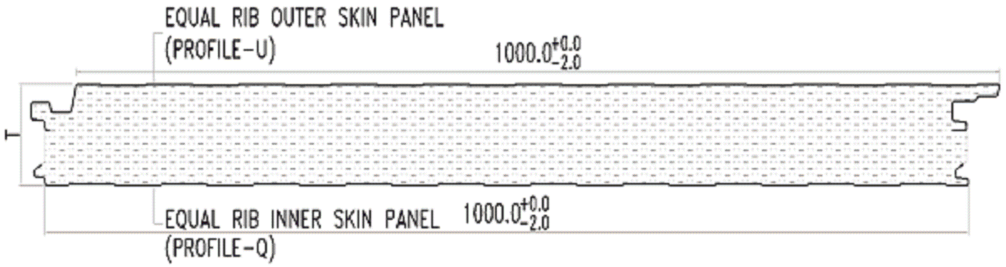

FIREWALL-FWUQ - 100 mm.
(TS-0.7 mm. Steel) (BS-0.7 mm.Steel)

Section Properties

Nominal Thickness mm	Nominal Weight kg/m²	Core Area cm²	Effective Top In Compression				Effective Bottom In Compression				Shear
			Ix cm⁴	Zx-Top cm³	Zx-Bott. cm³	Ma kN.m	Ix cm⁴	Zx-Top cm³	Zx-Bott. cm³	Ma kN.m	Va kN
Ext.0.7-Int.0.7	22.74	14.94	291.07	42.12	65.56	2.14	291.12	65.62	42.10	2.14	2.18

Load Table [kN/m²]

Panel Thickness mm	Number of Spans	Load Case	Span in meters									
			1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75
Ext.0.7-Int.0.7	1	***D+L***	***2.91***	***2.49***	***2.18***	***1.94***	***1.74***	***1.59***	***1.45***	***1.34***	***1.25***	***1.16***
		WP	2.91	2.49	2.18	1.94	1.74	1.59	1.45	1.34	1.25	1.16
		WS	2.91	2.49	2.18	1.94	1.74	1.59	1.45	1.34	1.25	1.16
	2	***D+L***	***2.33***	***1.99***	***1.74***	***1.55***	***1.40***	***1.27***	***1.16***	***1.07***	***1.00***	***0.93***
		WP	2.33	1.99	1.74	1.55	1.40	1.27	1.16	1.07	1.00	0.93
		WS	1.72	1.47	1.29	1.14	1.03	0.94	0.86	0.79	0.74	0.69
	3	***D+L***	***2.41***	***2.07***	***1.81***	***1.61***	***1.45***	***1.32***	***1.21***	***1.11***	***1.03***	***0.97***
		WP	2.41	2.07	1.81	1.61	1.45	1.32	1.21	1.11	1.03	0.97
		WS	1.95	1.67	1.46	1.30	1.17	1.06	0.98	0.90	0.84	0.78

Limit States

Deflection
Bending
S.D.S
Wrinkling
shear failure of Core
Core Crushing
Bond Failure

Notes:-
Top Skin Steel : Material conforming to ASTM A 792M SS Grade 345B Coating AZM150 (Fy = 34.5 kN/cm2) or equivalent
Bottom Skin: Steel : Material conforming to ASTM A 792M SS Grade 345B Coating AZM150 (Fy = 34.5 kN/cm2) or equivalent
* Effective section and allowables calculated according to AISI 2001
* No Capacity Factor Has Been Considered
* D + L = Dead + Live Load (Deflection limit Span / 180
* Wp = Wind Pressure(Deflection limit Span / 120
* Ws = Wind Suction(Deflection limit Span / 120
* Purlin Thickness has been Considered 1.5 mm.
* Number Of S.D.S Considered / m is 4
* Bearing Width = 60 mm