

ESPECIFICACIONES REJILLA SAFEFLOOR SIESA[®] DE PISO PERFORADO

DESCRIPCIÓN	PANEL DE PISO PERFORADO 14%	MÓDULO DE CORTANTE = 170,000 PSI
Ancho del panel	19.685"	Módulo de sección= 1.04 (in ³ /ft)
Altura	1.575"	Resistencia máxima a la flexión= 33,000 psi
Espesor del alma	0.157"	Resistencia máxima al corte= 4,500 psi
Espesor de la placa superior	0.197"	Ancho estándar de ranura= 0.60"
Peso aproximado	3.1 psf	CL= carga concentrada (lbs/ft en lo ancho del panel)
Aparente módulo de elasticidad	3.06E6 psi	
Momento de inercia	1.03 (in ⁴ /ft)	UL= carga uniforme (lbs/ft ²)

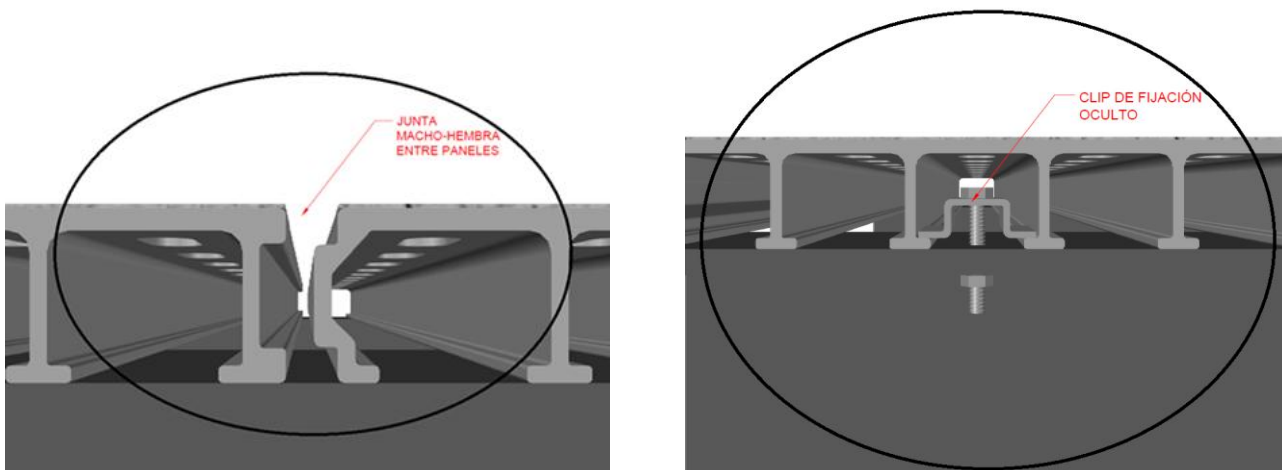
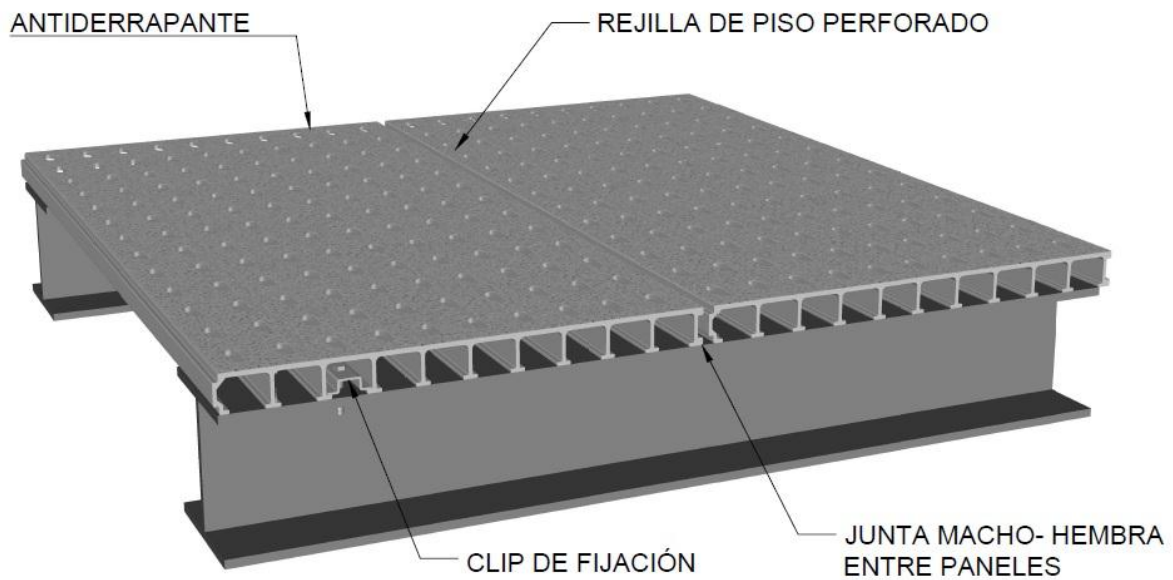


TABLA DE CARGA PARA REJILLA SAFEFLOOR SIESA® DE PISO PERFORADO

Separación entre Soportes	Tipo de carga								Carga @ .25" Deflexión	Carga @ .38" Deflexión	Carga máxima
18" (45.72 cm)	CU	200 (976.74)	500 (2441.84)	1000 (4883.69)	2000 (9767.38)	3000 (14651.06)	4000 (19534.75)	4772 (23304.96)	-	-	4077 (19910.80)
	Deflexión in (mm)	0.01 0.254	0.02 0.51	0.05 1.27	0.10 2.54	0.15 3.81	0.19 4.83	0.2 5.08			
	CC	250 (372.14)	500 (744.28)	1000 (1488.57)	2000 (2977.13)	3000 (4465.70)	3058 (4552.04)	-	-	3058 (4552.04)	
	Deflexión in (mm)	0.01 0.254	0.03 0.76	0.06 1.52	0.11 2.79	0.17 4.32	0.17 4.32				
24" (60.96 cm)	CU	200 (976.74)	500 (2441.84)	1000 (4883.69)	1500 (7325.53)	2000 (9767.38)	2293 (11198.30)	-	1800 (8790.64)	-	2293 (11198.30)
	Deflexión in (mm)	0.03 0.76	0.06 1.52	0.14 3.56	0.21 5.33	0.28 7.11	0.32 8.13				
	CC	250 (372.14)	500 (744.28)	750 (1116.42)	1000 (1488.57)	2000 (2977.13)	2293 (3413.28)	-	2150 (3200.42)	-	2293 (3413.28)
	Deflexión in (mm)	0.03 0.76	0.06 1.52	0.09 2.29	0.11 2.79	0.23 5.84	0.26 6.60				
30" (76.20 cm)	CU	200 (976.74)	500 (2441.84)	750 (3662.77)	1000 (4883.69)	1250 (6104.61)	1468 (7169.25)	-	780 (3809.28)	1200 (5860.43)	1468 (7169.25)
	Deflexión in (mm)	0.06 1.52	0.16 4.06	0.24 6.10	0.32 8.13	0.40 10.16	0.47 11.94				
	CC	250 (372.14)	500 (744.28)	750 (1116.42)	1000 (1488.57)	1500 (2232.85)	1838 (2735.98)	-	1200 (1786.28)	1835 (2731.52)	1835 (2731.52)
	Deflexión in (mm)	0.05 1.27	0.10 2.54	0.16 4.06	0.21 5.33	0.31 7.87	0.38 9.65				
36" (91.44 cm)	CU	100 (488.37)	250 (1220.92)	400 (1953.48)	500 (2441.84)	750 (3662.77)	1000 (4883.69)	1019 (4976.48)	400 (1953.48)	600 (2930.21)	1019 (4976.48)
	Deflexión in (mm)	0.06 1.52	0.16 4.06	0.25 6.35	0.32 8.13	0.48 12.42	0.64 16.26	0.65 16.51			
	CC	250 (372.14)	500 (744.28)	600 (893.14)	750 (1116.42)	1000 (1488.57)	1500 (2232.85)	1529 (2276.02)	710 (1056.88)	1100 (1637.42)	1529 (2276.02)
	Deflexión in (mm)	0.09 2.29	0.17 4.32	0.21 5.33	0.26 6.60	0.35 8.89	0.52 13.21	0.53 13.46			
42" (106.68 cm)	CU	80 (390.70)	100 (488.37)	150 (732.55)	200 (976.74)	250 (1220.92)	300 (1465.11)	500 (2441.84)	220 (1074.41)	330 (1611.62)	749 (3657.88)
	Deflexión in (mm)	0.09 2.29	0.12 3.05	0.17 4.32	0.23 5.84	0.29 7.37	0.35 8.89	0.58 14.73			
	CC	100 (148.86)	200 (297.71)	400 (595.43)	750 (1116.42)	1000 (1488.57)	1200 (1786.28)	1310 (1950.02)	470 (699.63)	700 (1042.00)	1310 (1950.02)
	Deflexión in (mm)	0.05 1.27	0.11 2.79	0.21 5.33	0.40 10.16	0.54 13.72	0.64 16.26	0.70 17.78			
48" (121.92 cm)	CU	80 (390.70)	100 (488.37)	150 (732.55)	200 (976.74)	250 (1220.92)	300 (1465.11)	500 (2441.84)	130 (634.88)	195 (952.32)	573 (2798.35)
	Deflexión in (mm)	0.16 4.06	0.19 4.83	0.29 7.37	0.39 9.91	0.49 12.45	0.58 14.73	0.97 24.64			
	CC	100 (148.86)	200 (297.71)	400 (595.43)	600 (893.14)	800 (1190.85)	1200 (1786.28)	1147 (1707.39)	315 (468.90)	480 (714.51)	1147 (1707.39)
	Deflexión in (mm)	0.08 2.03	0.16 4.06	0.31 7.87	0.47 11.94	0.63 16.00	0.79 20.07	0.90 22.86			

54" (137.16 cm)	CU	80 (390.70)	100 (488.37)	150 (732.55)	200 (976.74)	250 (1220.92)	300 (1465.11)	400 (1953.48)	80 (390.70)	122 (595.81)	453 (2212.31)
	Deflexión in (mm)	0.25 6.35	0.31 7.87	0.46 11.68	0.62 15.75	0.77 19.56	0.93 23.62	1.23 31.24			
	CC	100 (148.86)	200 (297.71)	300 (446.57)	500 (744.28)	750 (1116.42)	1000 (1488.57)	1019 (1516.85)	230 (342.37)	340 (506.11)	1019 (1516.85)
	Deflexión in (mm)	0.11 2.79	0.22 5.59	0.33 8.38	0.55 13.97	0.83 21.08	1.11 28.19	1.13 28.70			
60" (152.40 cm)	CU	80 (390.70)	100 (488.37)	150 (732.55)	200 (976.74)	250 (1220.92)	300 (1465.11)	350 (1709.29)	53 (258.84)	82 (400.46)	367 (1792.31)
	Deflexión in (mm)	0.37 9.40	0.47 11.94	0.70 17.78	0.93 23.62	1.17 29.72	1.40 35.56	1.63 41.40			
	CC	100 (148.86)	150 (223.28)	200 (297.71)	500 (744.28)	750 (1116.42)	800 (1190.85)	917 (1365.02)	165 (245.61)	250 (372.14)	917 (1365.02)
	Deflexión in (mm)	0.15 3.81	0.23 5.84	0.30 7.62	0.75 19.05	1.13 28.70	1.21 30.73	1.38 35.05			
66" (167.64 cm)	CU	25 (122.09)	50 (244.18)	100 (488.37)	150 (732.55)	200 (976.74)	300 (1465.11)	303 (1479.76)	37 (180.70)	56 (273.49)	303 (1479.76)
	Deflexión in (mm)	0.17 4.32	0.34 8.64	0.68 17.27	1.02 25.91	1.36 34.54	2.04 51.82	2.06 52.32			
	CC	100 (148.86)	150 (223.28)	200 (297.71)	300 (446.57)	500 (744.28)	600 (893.14)	834 (1241.46)	125 (186.07)	190 (282.83)	834 (1241.46)
	Deflexión in (mm)	0.20 5.08	0.30 7.62	0.40 10.16	0.6 15.24	1.00 25.40	1.20 30.48	1.66 42.16			
72" (182.88 cm)	CU	25 (122.09)	30 (146.51)	50 (244.18)	100 (488.37)	125 (610.46)	150 (732.55)	200 (976.74)	26 (126.98)	40 (195.35)	255 (1245.34)
	Deflexión in (mm)	0.24 6.10	0.29 7.37	0.48 12.19	0.96 24.38	1.20 30.48	1.44 36.58	1.92 48.77			
	CC	100 (148.86)	150 (223.28)	200 (297.71)	250 (372.14)	400 (595.43)	500 (744.28)	600 (893.14)	98 (145.88)	146 (217.33)	764 (1137.26)
	Deflexión in (mm)	0.26 6.60	0.39 9.91	0.52 13.21	0.64 16.26	1.03 26.16	1.29 32.77	1.55 39.37			

CU: Carga Uniformemente Distribuida, lb/ft²; (kg/m²)

CC: Carga Concentrada, lb/ft ancho; (kg/m ancho)