

ESPECIFICACIONES REJILLA SAFEFLOOR SIESA® PANEL DE PISO SÓLIDO

DESCRIPCIÓN	PANEL DE PISO SÓLIDO	MÓDULO DE CORTANTE = 170,000 PSI
Ancho del panel	19.685"	Módulo de sección = 1.22 (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"	
Peso aproximado	3.46 psf	CL= carga concentrada (lbs/ft en lo ancho del panel)
Aparente módulo de elasticidad	3.06E6 psi	
Momento de inercia	1.30 in ⁴ /ft	UL= carga uniforme (lbs/ft ²)

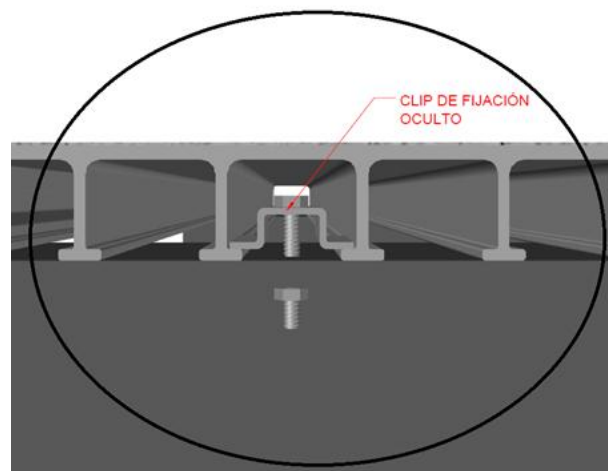
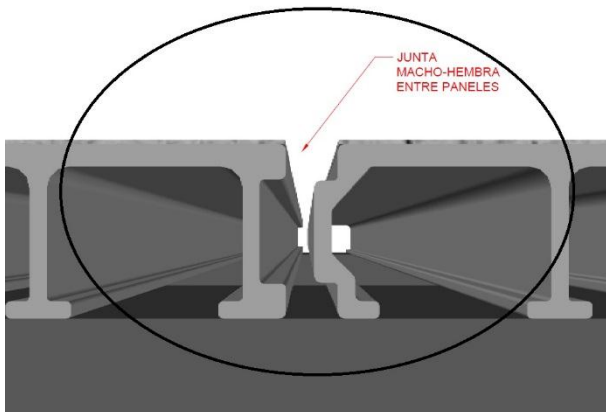
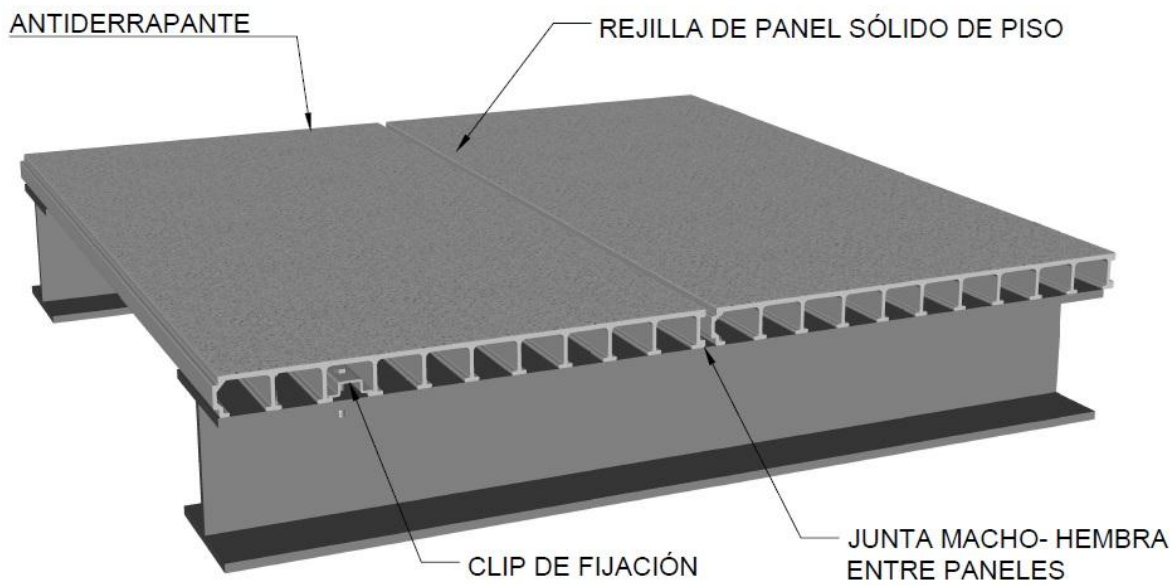


TABLA DE CARGA PARA REJILLA SAFEFLOOR SIESA® PANEL DE PISO SÓLIDO

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)	-	-	4772 (23304.96)					
	Deflexión in (mm)	0.01 0.254	0.02 0.51	0.04 1.02	0.08 2.03	0.12 3.05	0.16 4.06	0.2 5.08								
	CC	250 (372.14)	500 (744.28)	1000 (1488.57)	2000 (2977.13)	3000 (4465.70)	3500 (5209.98)	-				-	3579 (5327.58)			
	Deflexión in (mm)	0.01 0.254	0.02 0.51	0.05 1.27	0.09 2.29	0.14 3.56	0.17 4.32									
24" (60.96 cm)	CU	200 (976.74)	500 (2441.84)	1000 (4883.69)	2000 (9767.38)	2500 (12209.22)	-	-	2200 (10744.11)	-	2684 (13107.82)					
	Deflexión in (mm)	0.02 0.51	0.06 1.52	0.11 2.79	0.23 5.84	0.28 7.11										
	CC	250 (372.14)	500 (744.28)	750 (1116.42)	1000 (1488.57)	2000 (2977.13)						2500 (3721.42)	-	2600 (3870.27)	-	2684 (3995.31)
	Deflexión in (mm)	0.02 0.51	0.05 1.27	0.07 1.78	0.1 2.54	0.19 4.83						0.24 6.10				
30" (76.20 cm)	CU	200 (976.74)	500 (2441.84)	750 (3662.77)	1000 (4883.69)	1250 (6104.61)	1500 (7325.53)	-	950 (4639.50)	1475 (7203.44)	1718 (8390.18)					
	Deflexión in (mm)	0.05 1.27	0.13 3.30	0.19 4.83	0.26 6.60	0.32 8.13	0.39 9.91									
	CC	250 (372.14)	500 (744.28)	750 (1116.42)	1000 (1488.57)	1500 (2232.85)	2000 (2977.13)					-	1480 (2203.08)	-	2147 (3195.95)	
	Deflexión in (mm)	0.04 1.02	0.09 2.29	0.13 3.30	0.17 4.32	0.26 6.60	0.34 8.64									
36" (91.44 cm)	CU	100 (488.37)	250 (1220.92)	500 (2441.84)	750 (3662.77)	1000 (4883.69)	1250 (6104.61)	-	480 (2344.17)	730 (3565.09)	1193 (5826.24)					
	Deflexión in (mm)	0.05 1.27	0.13 3.30	0.26 6.60	0.39 9.91	0.52 13.21	0.64 16.26									
	CC	250 (372.14)	500 (744.28)	750 (1116.42)	1000 (1488.57)	1500 (2232.85)	1750 (2604.99)					-	900 (1339.71)	1350 (2009.56)	1789 (2663.05)	
	Deflexión in (mm)	0.07 1.78	0.14 3.56	0.21 5.33	0.28 7.11	0.42 10.67	0.49 12.45									
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)	-	270 (1318.60)	410 (2002.31)	876 (4278.11)				
	Deflexión in (mm)	0.07 1.78	0.09 2.29	0.14 3.56	0.19 4.83	0.23 5.84	0.28 7.11	0.47 11.94								
	CC	100 (148.86)	200 (297.71)	400 (595.43)	750 (1116.42)	1000 (1488.57)	1200 (1786.28)	1500 (2232.85)					-	575 (855.93)	875 (1302.50)	1534 (2283.46)
	Deflexión in (mm)	0.04 1.02	0.09 2.29	0.17 4.32	0.33 8.38	0.43 10.92	0.52 13.21	0.65 16.51								
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)	-	160 (781.39)	245 (1196.50)	671 (3276.95)				
	Deflexión in (mm)	0.12 3.05	0.16 4.06	0.23 5.84	0.31 7.87	0.39 9.91	0.47 11.94	0.78 19.81								
	CC	100 (148.86)	200 (297.71)	400 (595.43)	750 (1116.42)	1000 (1488.57)	1200 (1786.28)	-					400 (595.43)	600 (893.14)	1342 (1997.66)	
	Deflexión in (mm)	0.06 1.52	0.13 3.30	0.25 6.35	0.48 12.19	0.63 16.00	0.76 19.30									

54" (137.16 cm)	CU	80 (390.70)	100 (488.37)	150 (732.55)	200 (976.74)	250 (1220.92)	300 (1465.11)	500 (2441.84)	100 (488.37)	155 (756.97)	530 (2588.35)
	Deflexión in (mm)	0.02 0.51	0.25 6.35	0.37 9.40	0.49 12.45	0.62 15.75	0.74 18.80	1.24 31.50			
	CC	100 (148.86)	200 (297.71)	300 (446.57)	500 (744.28)	750 (1116.42)	1000 (1488.57)		280 (416.80)	430 (640.08)	1193 (1775.86)
	Deflexión in (mm)	0.09 2.29	0.18 4.57	0.27 6.86	0.45 11.43	0.67 17.02	0.89 22.61				
60" (152.40 cm)	CU	80 (390.70)	100 (488.37)	150 (732.55)	200 (976.74)	250 (1220.92)	300 (1465.11)	400 (1953.48)	66 (322.32)	102 (498.14)	429 (2095.10)
	Deflexión in (mm)	0.3 7.62	0.37 9.40	0.56 14.22	0.75 19.05	0.93 23.62	1.12 28.49	1.5 38.10			
	CC	100 (148.86)	150 (223.28)	200 (297.71)	500 (744.28)	750 (1116.42)			210 (312.60)	315 (468.90)	1074 (1598.72)
	Deflexión in (mm)	0.12 3.05	0.18 4.57	0.24 2.10	0.6 15.24	0.91 23.11					
66" (167.64 cm)	CU	25 (122.09)	50 (244.18)	100 (488.37)	150 (732.55)	200 (976.74)	300 (1465.11)		46 (224.65)	69 (336.97)	355 (1733.71)
	Deflexión in (mm)	0.14 3.56	0.27 6.86	0.54 13.72	0.82 20.83	1.09 27.69	1.63 41.40				
	CC	100 (148.86)	200 (297.71)	300 (446.57)	500 (744.28)	750 (1116.42)			155 (230.73)	240 (357.26)	976 (1452.84)
	Deflexión in (mm)	0.16 4.06	0.32 8.13	0.48 12.19	0.8 20.32	1.2 30.48					
72" (182.88 cm)	CU	25 (122.09)	50 (244.18)	100 (488.37)	150 (732.55)	200 (976.74)	250 (1220.92)		32 (156.28)	50 (244.18)	298 (1455.34)
	Deflexión in (mm)	0.19 4.83	0.38 9.65	0.77 19.56	1.15 29.21	1.53 38.86	1.92 48.77				
	CC	100 (148.86)	200 (297.71)	300 (446.57)	500 (744.28)	750 (1116.42)			120 (178.63)	185 (275.38)	895 (1332.27)
	Deflexión in (mm)	0.21 5.33	0.41 10.41	0.62 15.75	1.03 26.16	1.55 39.37					

CU: Carga Uniformemente Distribuida, lb/ft²; (kg/m²)
CC: Carga Concentrada, lb/ft ancho; (kg/m ancho)