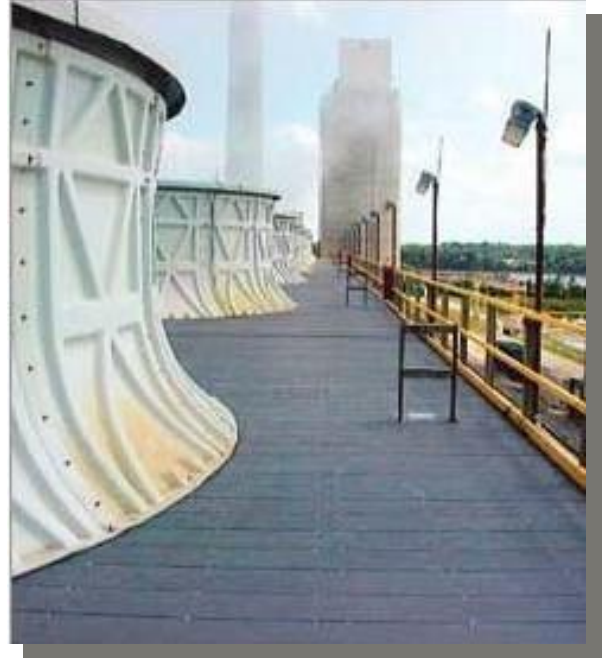


Decking System

Pultruded Fiberglass Panel Decking System



Star Cooling Towers decking system panels interlock and overlap to form a safe, strong working surface on your cooling tower. Manufactured of pultruded fiberglass reinforced polyester, the lightweight, high strength and corrosion-resistant design offers quick, easy installation. It is available with a gritted surface for fan decks and hot water basin applications.

Important features include:

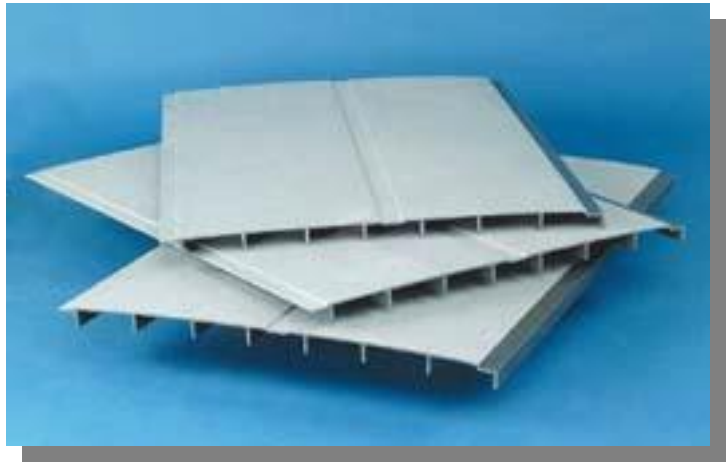
- Corrosion resistant
- Nonskid walking surface
- Light weight
- Easy to maintain
- Will not rot or decay
- Strong
- Fire retardant
- Nonconductive
- UV-protected
- Easy, quick installation

OEM Replacement Parts

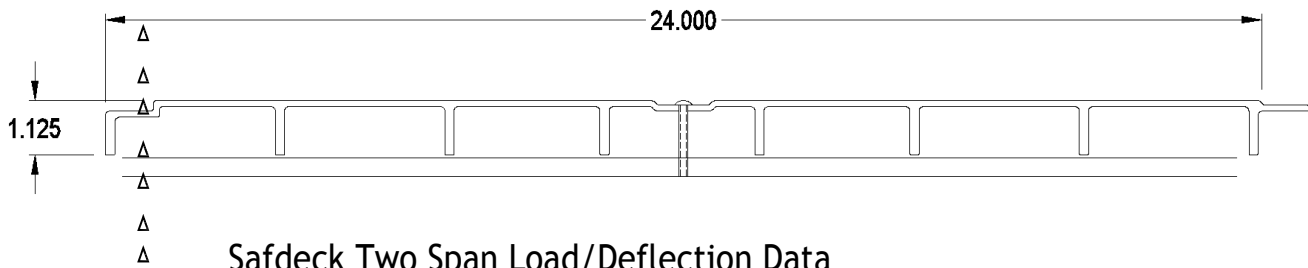
Star Cooling Towers is a complete cooling tower supply company, offering a wide range of products to the cooling tower industry since 1951. Our large selection of quality OEM (Original Equipment Manufacturer) replacement parts are compatible with most models and manufacturers of cooling towers and they offer a high quality, reliable, low-cost alternative to expensive original equipment parts.

Call today for more details on this innovative component.

The Star decking system is available in 1-1/8" deep panels, 24" wide. Normally gritted and available in 20' through 36' standard lengths. The panels interlock and overlap to form a continuous, solid surface. The quick screw-down construction system ensures rapid installation and reduced field labor costs.



The standard resin system is a slate gray fire retardant polyester resin meeting the requirements of Class 1 rating of 25 or less per ASTM E-84 and the self-extinguishing requirements of ASTM D365. The resin is UV-inhibited and the composite includes a surface veil on all exposed surfaces for enhanced corrosion and UV-protection. Other resins and colors are available upon request.



Safdeck Two Span Load/Deflection Data

Maximum deflections shown are based on a deflection of approximately $L/100$. To calculate the maximum deflection for a simply supported continuous

SINGLE SPAN LENGTH (l)	24" SAFDECK							
	I = 0.4399 in. ⁴ Wt = 4.1 / lin. ft. (gritted)							
	25 (u = 1197) (c = 365)	50 (u = 2394) (c = 730)	60 (u = 2873) (c = 876)	75 (u = 3591) (c = 1095)	100 (u = 4788) (c = 1460)	200 (u = 9576) (c = 2920)	300 (u = 14364) (c = 4380)	
24" (610 mm)	Δu	.015 (.38)	.030 (.76)	.036 (.91)	.044 (1.12)	.059 (1.50)	.119 (3.02)	.179 (4.55)
	Δc	.012 (.30)	.023 (.58)	.029 (.74)	.036 (.91)	.048 (1.22)	.096 (2.44)	.143 (3.63)
36" (914 mm)	Δu	.063 (1.60)	.126 (3.20)	.151 (3.84)	.189 (4.80)	.252 (6.40)	—	—
	c	.032 (.81)	.064 (1.63)	.081 (2.06)	.101 (2.57)	.134 (3.40)	.269 (6.83)	—
48" (1219 mm)	u	.215 (5.46)	.430 (10.92)	—	—	—	—	—
	c	.073 (1.85)	.147 (3.73)	.206 (5.23)	.257 (6.53)	.343 (8.71)	—	—

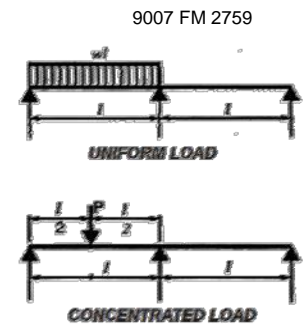
beam spanning two equal lengths with the uniform or concentrated load on one span only, multiply the above deflections by 0.71.

u = Uniform load in lbs/ft² (N/m²). For example, a 100 lb. uniform load over 3 ft.² is 300 lbs. of total load.

Δu = Typical deflection under the uniform load in inches (mm).

c = Concentrated load in lbs/ft of width (N/m of width).

Δc = Typical deflection under concentrated load in inches (mm).



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