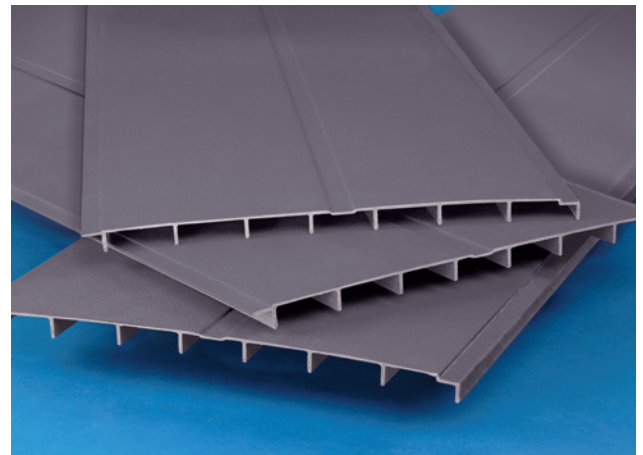


SAFDECK® **FIBERGLASS DECKING SYSTEM FOR COOLING TOWER FAN DECKS AND HOT WATER BASINS**



- **Rot Resistant**
- **Strong**
- **Lightweight**
- **Easy to Install**
- **Overlapping Joints**
- **Easy to Maintain**
- **Non-Conductive**
- **Fire Retardant**
- **Slip Resistant**

Strongwell's SAFDECK® is a specially designed system of 24" wide, slip resistant, fiberglass panels that overlap for a continuous solid surface. The profile height of 1-1/8" is specifically designed to be used as a permanent replacement for plywood on cooling tower fan decks. SAFDECK® can also be supplied with a smooth surface for use in hot water basin applications. The quick screw-down construction of the SAFDECK® system ensures rapid installation and reduced field labor costs. Compare the features of SAFDECK® to plywood on the reverse side.

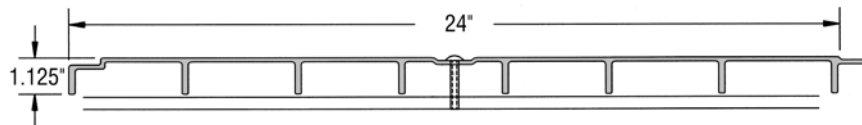
COMPARE!

SAFDECK®

VS.

PLYWOOD

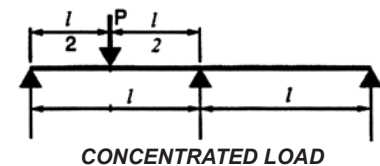
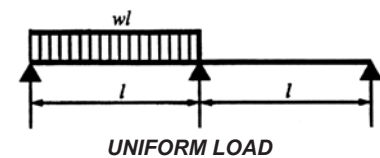
ROT RESISTANCE	Superior resistance to a broad range of chemicals. Virtually unaffected by moisture or immersion in water. Surfacing veil and UV additives create excellent weatherability.	Can warp, rot and decay from exposure to moisture, water and chemicals. Preservative treatment required to increase rot resistance.
STRENGTH/WEIGHT	FRP is stronger and has higher flexural strength than timber. FRP has significantly higher strength-to-weight ratio.	Significantly heavier when wet.
FIRE RESISTANCE	ASTM D635 — Self Extinguishing ASTM E84 — Flame Spread of 25 or less	Requires CFB overlay for fire protection.
FINISHING AND COLOR	Pigments added to the resin provide color throughout the part. Special colors available.	Must be primed and painted for color. Repainting may be required to maintain color.
COST	Lower maintenance and longer product life often equals lower overall costs.	Lower initial cost.
ENVIRONMENTAL IMPACT	Inert material — dispose of waste in landfills.	Treatment chemicals are banned — may have to dispose of as toxic waste. May also experience increased levels of arsenic in cooling water during initial start-up.
SLIP RESISTANT	Non-skid grit surface is standard.	Requires FRP overlay or special coating. Difficult to apply and may actually increase rot.



SAFDECK® Two Span Load / Deflection Data

24" SAFDECK® I = 0.4399 in.⁴ Wt = 4.1 lb./lin. ft. (gritted)

SINGLE SPAN LENGTH(l)		25	50	60	75	100
		u=1197 c=365	u=2394 c=730	u=2873 c=876	u=3591 c=1095	u=4788 c=1460
24" 610mm	Δu	0.011	0.021	0.026	0.031	0.042
	Δu	0.28	0.53	0.66	0.79	1.07
	Δc	0.004	0.009	0.010	0.012	0.016
	Δc	0.10	0.23	0.25	0.30	0.41
36" 914mm	Δu	0.045	0.089	0.107	0.134	0.179
	Δu	1.14	2.26	2.72	3.40	4.55
	Δc	0.011	0.023	0.027	0.034	0.046
	Δc	0.28	0.58	0.69	0.86	1.17
48" 1219mm	Δu	0.136	—	—	—	—
	Δu	3.45	—	—	—	—
	Δc	0.026	0.052	0.063	0.79	0.105
	Δc	0.66	1.32	1.60	2.01	2.67



For Simple Beam, Single Span deflections, divide the above deflection numbers by 0.71.

Maximum deflections shown are based on a deflection of approximately L/100.

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 across width of panel (N)

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



ISO-9001 Quality Certified Manufacturing Plants

BRISTOL LOCATION

400 Commonwealth Ave., P. O. Box 580, Bristol, VA 24203-0580 USA

(276) 645-8000

www.strongwell.com