



Scaffold Plank Comparison Sheet

NexgenPlank is an innovative fiberglass scaffold plank designed for, and compatible with existing frame and systems scaffolding. It's a lightweight and durable alternative to the current scaffolding platforms on the market today. It exceeds all OSHA/ANSI/CSA standards for scaffold plank.

This comparison sheet compares fiberglass vs wood plank for understanding the differences between the two products.

Feature Comparison	NexgenPlank	Structural Timber
Corrosion Resistance	Superior to a broad range of chemicals. Unaffected by moisture or immersion in water.	Can warp, rot, and decay from exposure to moisture, water and chemicals.
Insect Resistance	Unaffected by insects.	Susceptible to insect attack (marine borers, termites, etc..)
Strength	Pultruded fiberglass is stronger and has a higher flexural strength than timber.	Extreme fiber bending.
Stiffness	Pultruded fiberglass is approx. 1 1/2 times as rigid as wood. Modulus of elasticity LW = 2.5 x 106 psi, CW = .8 x .106 psi	Modulus elasticity = up to 1.8 x 106 psi
Electrical Conductivity	Non-conductive. High dielectric capability.	Timber can be conductive when wet.
Weighth	Specific gravity = 1.7. Pultruded fiberglass has a significantly higher strength-to-weight ratio.	Specific gravity= .51 (oven dried)
Color Options	Pigments added to resin provide color throughout. Composite designs can be customized for required finishes and colors.	Cannot be coated with opaque coverings.
Cost	Lower maintenance and longer product lifespan equals lower overall costs.	Lower initial costs. More expensive long-term due to continued replacement.