

SPAN CHART

LOADING CONDITIONS

Gapping Requirements

Allow 1/4" minimum gap where the planking meets an adjoining structure or post.

Gapping guidelines for all TimberTech planks, including the new XLM Plank:

Below 32° F	33° F to 74° F	Above 75° F
3/16" gap	1/8" gap	1/32" gap

Floorizon Plank*

	90°	30°	45°
200 psf	16"	14"	12"
100 psf	24"	20"	17"

XLM Plank

	90°	30°	45°
100 psf	16"	12"	12"

Earthwood, TwinFinish & ValuPlank

	90°	30°	45°
200 psf	16"	14"	12"
100 psf	20"	18"	16"

DockSider Plank

	90°	30°	45°
200 psf	22"	18"	16"
100 psf	24"	20"	17"

*Canada can span 575mm.

NOTES:

- Special conditions will require engineering inspection and/or reduced spans. Always consult local building codes.
- TimberTech is NOT intended for use as columns, support posts, beams, joist, stringers, and other primary load-bearing members.

Uniform Live Load (U.L.L.)

Plank	Joist Spacing L (inches) (1)	U.L.L. based on max. allowable deflection L/180	U.L.L. based on the design bending strength	U.L.L. based on the design shear	Bearing (2)
Floorizon	12	1770	1610	337	148 psi
	16	747	905	252	
	20	382	579	202	
	24	221	402	168	
Earthwood, TwinFinish & ValuPlank	12	975	1187	628	150 psi
	16	411	668	461	
	20	211	427	364	
	24	122	297	301	
DockSider	12	1515	1748	958	150 psi
	16	639	983	719	
	20	327	629	575	
	24	189	437	479	
XLM					

NOTES:

- Refer to span chart for maximum allowable spans.
- The compressive bearing of the deck members shall be less than the compressive bearing of the wood member supporting the deck member.
- Use data from this chart for calculations only.