



# Type PLN™ -24/N-24

- 3" (76 mm) Deep Roof Deck ■
- Primer Painted or Galvanized ■

## ALLOWABLE UNIFORM LOADS (psf, N/m<sup>2</sup>)

SPAN GAGE		SPAN (ft-in., mm)																	
		6'-0"	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"	9'-6"	10'-0"	10'-6"	11'-0"	11'-6"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"		
SINGLE	22	STRESS	146 6,991	107 5,123	93 4,453	82 3,926	73 3,495	65 3,112	58 2,777	53 2,538	48 2,298	43 2,059	40 1,915	36 1,724	31 1,484	27 1,293	23 1,101	21 1,005	
		L/240	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	70 3,352	59 2,825	50 2,394	43 2,059	37 1,772	32 1,532	28 1,341	25 1,197	20 958	16 766	13 622	10 479	
	20	STRESS	188 9,001	138 6,607	120 5,746	106 5,075	94 4,501	84 4,022	75 3,591	68 3,256	61 2,921	56 2,681	51 2,442	47 2,250	40 1,915	35 1,676	30 1,436	26 1,245	
		L/240	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	89 4,261	75 3,591	64 3,064	55 2,633	47 2,250	41 1,963	36 1,724	32 1,532	25 1,197	20 958	16 766	13 622	
	18	STRESS	271 12,976	199 9,528	173 8,283	152 7,278	135 6,464	120 5,746	108 5,171	97 4,644	88 4,213	81 3,878	74 3,543	68 3,256	58 2,777	50 2,394	43 2,059	38 1,819	
		L/240	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	131 6,272	110 5,267	94 4,501	80 3,830	69 3,304	60 2,873	53 2,538	46 2,202	37 1,772	29 1,389	24 1,149	20 958	
	16	STRESS	300 14,364	259 12,401	225 10,773	198 9,480	175 8,379	156 7,469	140 6,703	127 6,081	115 5,506	105 5,027	96 4,597	88 4,213	75 3,591	65 3,112	56 2,681	49 2,346	
		L/240	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	148 7,086	126 6,033	108 5,171	93 4,453	81 3,878	71 3,399	63 3,016	49 2,346	39 1,867	32 1,532	26 1,245	
	DOUBLE	22	STRESS	168 8,044	124 5,937	108 5,171	95 4,549	84 4,022	75 3,591	67 3,208	61 2,921	55 2,633	50 2,394	46 2,202	42 2,011	36 1,724	31 1,484	27 1,293	24 1,149
			L/240	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆
20		STRESS	208 9,959	153 7,326	133 6,368	117 5,602	104 4,980	93 4,453	83 3,974	75 3,591	68 3,256	62 2,969	57 2,729	52 2,490	44 2,107	38 1,819	33 1,580	29 1,389	
		L/240	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	
18		STRESS	287 13,742	211 10,103	184 8,810	162 7,757	143 6,847	128 6,129	115 5,506	103 4,932	94 4,501	86 4,118	78 3,735	72 3,447	61 2,921	53 2,538	46 2,202	40 1,915	
		L/240	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	
16		STRESS	300 14,364	273 13,071	238 11,396	209 10,007	185 8,858	165 7,900	148 7,086	134 6,416	122 5,841	111 5,315	101 4,836	93 4,453	79 3,783	68 3,256	60 2,873	52 2,490	
		L/240	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	
TRIPLE		22	STRESS	210 10,055	154 7,374	135 6,464	118 5,650	105 5,027	93 4,453	84 4,022	76 3,639	69 3,304	63 3,016	57 2,729	53 2,538	45 2,155	39 1,867	34 1,628	30 1,436
			L/240	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	61 2,921	53 2,538	47 2,250	37 1,772	30 1,436	24 1,149	20 958
	20	STRESS	260 12,449	191 9,145	167 7,996	146 6,991	130 6,224	116 5,554	104 4,980	94 4,501	85 4,070	77 3,687	71 3,399	65 3,112	55 2,633	48 2,298	42 2,011	37 1,772	
		L/240	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	68 3,256	60 2,873	47 2,250	38 1,819	31 1,484	25 1,197
	18	STRESS	300 14,364	264 12,640	230 11,012	202 9,672	179 8,571	160 7,661	143 6,847	129 6,177	117 5,602	107 5,123	98 4,692	90 4,309	77 3,687	66 3,160	57 2,729	51 2,442	
		L/240	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	88 4,213	69 3,304	55 2,633	45 2,155	37 1,772
	16	STRESS	300 14,364	300 14,364	298 14,268	262 12,545	232 11,108	207 9,911	186 8,906	168 8,044	152 7,278	138 6,607	127 6,081	116 5,554	99 4,740	85 4,070	74 3,543	65 3,112	
		L/240	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	◆◆◆◆	93 4,453	74 3,543	60 2,873	50 2,394

VERTICAL LOADS