



TONGUE & GROOVE PANELS - ZALMAG®

Deflection Criteria:		L/180	
Material Type:		Zalmag	
Material Thickness:		26 ga	
Moment of Inertia (Minor Axis)		0.050 in ⁴	
Section Modulus (Minor Axis)		0.082 in ³	
Modulus of Elasticity		29,000 ksi	
LOADS (PSF)	SINGLE SPAN	DOUBLE SPAN	TRIPLE SPAN
10	7' - 6" *	9' - 6"	9' - 3" *
15	6' - 7" *	7' - 9"	8' - 1" *
20	5' - 11" *	6' - 8"	7' - 4" *
25	5' - 6" *	6' - 0"	6' - 8"
30	5' - 2" *	5' - 5"	6' - 1"
35	4' - 11" *	5' - 0"	5' - 8"
40	4' - 9"	4' - 9"	5' - 3"
45	4' - 5"	4' - 5"	5' - 0"
50	4' - 3"	4' - 3"	4' - 9"
55	4' - 0"	4' - 0"	4' - 6"
60	3' - 10"	3' - 10"	4' - 4"
65	3' - 8"	3' - 8"	4' - 2"
70	3' - 7"	3' - 7"	4' - 0"

Deflection Criteria:		L/240	
Material Type:		Zalmag	
Material Thickness:		26 ga	
Moment of Inertia (Minor Axis)		0.050 in ⁴	
Section Modulus (Minor Axis)		0.082 in ³	
Modulus of Elasticity		29,000 ksi	
LOADS (PSF)	SINGLE SPAN	DOUBLE SPAN	TRIPLE SPAN
10	6' - 10" *	9' - 2" *	8' - 5" *
15	5' - 11" *	7' - 9"	7' - 4" *
20	5' - 5" *	6' - 8"	6' - 8" *
25	5' - 0" *	6' - 0"	6' - 2" *
30	4' - 9" *	5' - 5"	5' - 10" *
35	4' - 6" *	5' - 0"	5' - 6" *
40	4' - 3" *	4' - 9"	5' - 3"
45	4' - 1" *	4' - 5"	5' - 0"
50	4' - 0" *	4' - 3"	4' - 9"
55	3' - 10" *	4' - 0"	4' - 6"
60	3' - 9" *	3' - 10"	4' - 4"
65	3' - 8" *	3' - 8"	4' - 2"
70	3' - 7" *	3' - 7"	4' - 0"

Deflection Criteria:		L/180	
Material Type:		Zalmag	
Material Thickness:		24 ga	
Moment of Inertia (Minor Axis)		0.066 in ⁴	
Section Modulus (Minor Axis)		0.109 in ³	
Modulus of Elasticity		29,000 ksi	
LOADS (PSF)	SINGLE SPAN	DOUBLE SPAN	TRIPLE SPAN
10	8' - 3" *	10' - 11"	10' - 2" *
15	7' - 2" *	8' - 11"	8' - 11" *
20	6' - 6" *	7' - 8"	8' - 1" *
25	6' - 1" *	6' - 11"	7' - 6" *
30	5' - 8" *	6' - 3"	7' - 0"
35	5' - 5" *	5' - 10"	6' - 6"
40	5' - 2" *	5' - 5"	6' - 1"
45	5' - 0" *	5' - 1"	5' - 9"
50	4' - 10" *	4' - 10"	5' - 5"
55	4' - 8"	4' - 8"	5' - 2"
60	4' - 5"	4' - 5"	5' - 0"
65	4' - 3"	4' - 3"	4' - 9"
70	4' - 1"	4' - 1"	4' - 7"

Deflection Criteria:		L/240	
Material Type:		Zalmag	
Material Thickness:		24 ga	
Moment of Inertia (Minor Axis)		0.066 in ⁴	
Section Modulus (Minor Axis)		0.109 in ³	
Modulus of Elasticity		29,000 ksi	
LOADS (PSF)	SINGLE SPAN	DOUBLE SPAN	TRIPLE SPAN
10	7' - 6" *	10' - 0" *	9' - 3" *
15	6' - 6" *	8' - 9" *	8' - 1" *
20	5' - 11" *	7' - 8"	7' - 4" *
25	5' - 6" *	6' - 11"	6' - 10" *
30	5' - 2" *	6' - 3"	6' - 5" *
35	4' - 11" *	5' - 10"	6' - 1" *
40	4' - 8" *	5' - 5"	5' - 10" *
45	4' - 6" *	5' - 1"	5' - 7" *
50	4' - 4" *	4' - 10"	5' - 5" *
55	4' - 3" *	4' - 8"	5' - 2"
60	4' - 1" *	4' - 5"	5' - 0"
65	4' - 0" *	4' - 3"	4' - 9"
70	3' - 11" *	4' - 1"	4' - 7"

Notes:

- 1.) *Indicates maximum span controlled by deflection.
- 2.) All loads are applied perpendicular to surface of panel.
- 3.) Spans indicated are based off service level loading (ASD).
- 4.) Actual conditions on projects may affect spans indicated above. Those qualified to assess project specific conditions shall use the information listed above to assess these affects.
- 5.) Spans above are based upon section and material properties of the indicated panel. Other factors such as fastener loading may affect project-specific spans.