



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
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LOADS 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"
70 3'-7" 3'-7" 4'-0"
70 3' - 7" 3' - 7" 4' - 0" Deflection Criteria: L/180
70 3' - 7" 3' - 7" 4' - 0" Deflection Criteria: L/180 Material Type: Zalmag
70 3' - 7" 3' - 7" 4' - 0" Deflection Criteria: L/180 Material Type: Zalmag Material Thickness: 24 ga
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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 TRIPLE SPAN 10 8' - 3" * 15 7' - 2" * 15 7' - 2" * 20 6' - 6" *
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 TRIPLE SPAN LOADS (PSF) SINGLE SPAN DOUBLE SPAN TRIPLE SPAN 10 8' - 3" * 10' - 11" 10' - 2" * 15 7' - 2" * 8' - 11" 8' - 11" *
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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 TRIPLE SPAN 10 8' - 3" * 15 7' - 2" * 15 7' - 2" * 20 6' - 6" * 25 6' - 1" *
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"
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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	
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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"
	- 0"
50 4'-0"* 4'-3" 4'	-9"
	- 6"
60 3'-9"* 3'-10" 4'-	- 4"
	- 2"
70 3'-7"* 3'-7" 4'-	-0"
	0
Deflection Criteria:	0
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Material Type: Zalmag	
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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 SINGLE SPAN DOUBLE SPAN TRIPLE 10 7' - 6" * 10' - 0" * 9' - 15 6' - 6" * 8' - 9" * 8' -	E SPAN 3" * 1" *
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 SINGLE SPAN DOUBLE SPAN TRIPLE 10 7' - 6" * 10' - 0" * 9' - 15 6' - 6" * 8' - 9" * 8' - 20 5' - 11" * 7' - 8" 7' -	E SPAN 3" * 1" * 4" *
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 SINGLE SPAN DOUBLE SPAN TRIPLE 10 7' - 6" * 10' - 0" * 9' - 15 6' - 6" * 8' - 9" * 8' - 20 5' - 11" * 7' - 8" 7' - 25 5' - 6" * 6' - 11" 6' - 1 <th>E SPAN 3" * 1" * 4" * 10" *</th>	E SPAN 3" * 1" * 4" * 10" *
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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.