



F16 MASS PLY MAXIMUM SPAN FLOOR TABLE - MAJOR STRENGTH AXIS WITH 2" CONCRETE

| LAY-UP ID | THICKNESS (IN) | VIBRATION CONTROLLED SPAN (FT) | LIVE LOAD | | | | |
|--------------|-------------------|-----------------------------------|-----------|--------|--------|---------|---------|
| | | | 40 PSF | 50 PSF | 75 PSF | 100 PSF | 150 PSF |
| F16-2 | 2 1/16 | 7.00 | 7.54 | 7.25 | 6.68 | 6.13 | 5.33 |
| F16-3 | 3 1/16 | 9.33 | 10.95 | 10.55 | 9.74 | 9.01 | 7.84 |
| F16-4 | 4 1/16 | 12.92 | 14.47 | 13.95 | 12.91 | 12.05 | 10.49 |
| F16-5 | 5 1/8 | 15.28 | 17.87 | 17.25 | 15.99 | 15.03 | 13.10 |
| F16-6 | 6 1/8 | 17.51 | 21.18 | 20.46 | 19.01 | 17.90 | 15.72 |
| F16-7 | 7 1/8 | 19.64 | 24.44 | 23.63 | 22.00 | 20.73 | 18.32 |
| F16-8 | 8 3/16 | 21.70 | 27.59 | 26.70 | 24.90 | 23.49 | 20.88 |
| F16-9 | 9 3/16 | 23.70 | 30.75 | 29.80 | 27.84 | 26.30 | 23.54 |
| F16-10 | 10 3/16 | 25.65 | 33.82 | 32.80 | 30.69 | 29.03 | 26.16 |
| F16-11 | 11 1/4 | 28.00 | 36.84 | 35.76 | 33.51 | 31.73 | 28.77 |
| F16-12 | 12 1/4 | 29.40 | 39.81 | 38.67 | 36.29 | 34.40 | 31.29 |

FLOOR TABLE NOTES:

- ◆ Single Span, uniform load.
- ◆ Total load includes live load, Mass Ply weight, 15 PSF dead load, and 18 PSF two-inch concrete topping weight.
- ◆ Live Load deflection limit = $\text{Span (L)}/360$, total load deflection limit = $L/240$.
- ◆ Vibration controlled spans calculated using concepts outlined in the CLT handbook for a floor with 2" concrete topping.
- ◆ Vibration span is acceptable for any live load that does not result in an allowable stress design span longer than the vibration span.
- ◆ Tables do not substitute for the work of a design professional.

FOR MORE INFORMATION CONTACT US AT
FRERESWOOD.COM