

FLOORING MEASUREMENT

Pre-Finished Flooring is sold on actual square footage covered. You should add 5%-10% to the square footage you need to cover to allow for waste as is standard industry practice.

Unfinished Flooring is bought and sold on its gross board footage measure just like lumber. The conversions between square footage (SF) coverage and board footage (BF) for each size of 3/4" thick flooring is shown below:

| <u>Actual Face Width</u> | <u>BF to SF Conversion</u> | <u>SF to BF Conversion</u> |
|--------------------------|----------------------------|----------------------------|
| 2-1/4" | BF x 0.75 = SF | SF x 1.333 = BF |
| 3" | BF x 0.75 = SF | SF x 1.333 = BF |
| 3-1/4" | BF x 0.765 = SF | SF x 1.31 = BF |
| 4" | BF x 0.80 = SF | SF x 1.25 = BF |
| 5" | BF x 0.833 = SF | SF x 1.20 = BF |
| 6" | BF x 0.857 = SF | SF x 1.167 = BF |
| 7" | BF x 0.875 = SF | SF x 1.143 = BF |

CONVERTING BOARD FEET TO SQUARE FEET (AND VICE VERSA)

All calculations are for 2-1/4" wide strip.

Like 2 x 4's or pine boards, oak flooring is often priced (and sold) on a "board measure" basis. In that vernacular, 3/4 x 2-1/4 strip is considered, and often called, 1" x 3". Like a 2 x 4 which actually measures 1-1/2" x 3-1/2" when milled, the "board" measurement is calculated on the original size before milling - in this case 1" x 3". It becomes necessary, then, to convert flooring "board feet" to actual square feet of surface measure, to accurately price the product on that basis, and in order to figure coverage correctly.

THE FORMULA: On 2-1/4" strip, one square foot is equal to three-quarters of a board foot. 1000 board feet of flooring will cover 750 square feet. To arrive at this number, MULTIPLY the total board footage under consideration by .75 (point 75). To convert square footage to board feet, that is to find how many board feet of flooring are needed to cover a given number of square feet, DIVIDE the square footage by .75 (point 75). (This is the same as adding 1/3 to the square foot measurements).

PRICE CONVERSION IS DIFFERENT! Strip flooring is often sold by the thousand board feet. A price of \$2400 per thousand feet BM (board measure), for example, is the same as \$2.40 per board foot. (The decimal is moved 3 places left to arrive at the price for one foot BM). To convert this to a price per square foot DIVIDE by .75. The result: \$3.20 per sq. ft.

Conversely, if you need to convert the price per sq. ft. to a price per board foot, MULTIPLY the sq. ft. price (i.e. \$3.20) by .75 (point 75)