

TECH TIPS

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Square Footage Calculator for Multiple Width Flooring

Has this happened to you? A customer calls you up stating that we miscalculated a certain width of material during the packaging process and now they are short only on the 6" wide material, not the 4 1/2" or the 7 1/2" (It could be any width I'm using 6" as an example only). Could it be that our calculations are off? The answer is a simple No! Our calculations are spot on and here is how you can prove it:

Let's use our Tuscan product as an example. We know there are 41.5 s/f contained in each carton, right! But how do we determine the required amount of s/f needed for each of the individual widths of flooring? Good question and it comes with a simple answer:

Step 1: Add the widths of each size to be used (i.e., 4.5" + 6" + 7.5" = 18"). This will be your Total Width.

Step 2: Divide individual widths by Total Width of 18"

$$4.5" \div 18" = .250$$

$$6.0" \div 18" = .333$$

$$7.5" \div 18" = .417$$

Step 3: Multiply each result by the total s/f (for this example) in the carton.

41.5 s/f	41.5 s/f	41.5 s/f
<u>.250</u>	<u>.333</u>	<u>.417</u>
= 10.375 s/f	= 13.82 s/f	= 17.31 s/f
@ 4.5"	@ 6.0"	@ 7.5"

Double Check: Add the individual s/f together
(i.e., 10.375 + 13.82 + 17.31 = 41.5 s/f)

Packaging information for our Tuscan Product Line:

- Each carton contains approximately 41.5 s/f
- Each packaged row measures out to 82.750 inches.
- Each width if you were to align them (individually) end to end would measure 331 lineal inches.

How to calculate total s/i (square inches) into s/f (square feet):

Example: 4.5" x 331" = 1,489.5 total s/i. Now divide by 144 = 10.344 s/f

6.0" x 331" = 1,986.0 total s/i. Again divide by 144 = 13.79 s/f

7.5" x 331" = 2,482.5 total s/i. Again divide by 144 = 17.24 s/f
41.374 s/f

Note: The reason for dividing 144 into the total s/i of each individual size width is that there are 144 s/i in one s/f.

Note: 41.374 s/f is closer to the actual s/f per carton.