

SOF'BOUNCE CONVERSION CHART

Sof'Bounce is sold by the bag (40 lbs, 2000 lbs sacks or a combination of the two). To calculate the material requirements for your site, please follow the conversions steps below:

CRITICAL FALL HEIGHTS	Inches Compacted	Critical Fall Height
	4"	= 6'
	6"	= 13'
	12"	= 25'
* Sof'Bounce minimum depth is 4 inches.		

DEPTH CONVERSION	Inches	Conv. Rate
	1"	= 0.083'
	2"	= 0.166'
	3"	= 0.25'
	4"	= 0.33'
	5"	= 0.41'
	6"	= 0.5'
	7"	= 0.583'
	8"	= 0.666'
	9"	= 0.75'
	10"	= 0.83'
	11"	= 0.916'
	12"	= 1'

STEP 1

PLAYGROUND AREA

$$(\text{LENGTH}) \times (\text{WIDTH}) = (\text{SQUARE FOOTAGE})$$

STEP 2

CUBIC FEET

$$(\text{SQUARE FOOTAGE}) \times (\text{DEPTH}) = (\text{CUBIC FEET})$$

STEP 3

NUMBER OF BAGS NEEDED (40 LB BAGS)

$$(\text{CUBIC FEET}) / 1.6 = (\text{NUMBER OF 40 LB BAGS})$$

STEP 4

NUMBER OF BAGS NEEDED (40 LB BAGS)

$$(\text{CUBIC FEET}) / 80 = (\text{NUMBER OF SUPER SACKS})$$

EXAMPLE

CALCULATION EXAMPLE

Your playground dimensions are 30 ft long by 30 ft wide which equates to 900 total square feet. Your critical fall height is 12 feet. Identify material depth for 12 ft fall height on the critical fall height chart and add 2 inches for compaction, equaling 8" of material required. To calculate cubic feet, multiply 900 sq ft by the depth conversion for 8" of material or .666. Depending on how you would like your Sof'Bounce delivered, divide the cubic feet by the bag or super sack formula. In this example, the playground area requires either 375 bags (40 lb) or 8 super sacks (2000 lb)