



# CONCRETE REQUIREMENTS DATA SHEET

**FIGURE 1.**  
**CONSTRUCTION TUBE CONCRETE REQUIREMENTS:**  
*Expressed in cubic feet for columns of various lengths noted below*  
**HEIGHT OF COLUMN**

C-Tube Diameter	1'	2'	3'	4'	6'	8'	10'	12'
8"	0.35	0.70	1.05	1.40	2.10	2.80	3.50	4.20
10"	0.55	1.10	1.65	2.20	3.30	4.40	5.50	6.60
12"	0.80	1.60	2.40	3.20	4.80	6.40	8.00	9.60
14"	1.07	2.14	3.21	4.28	6.42	8.56	10.07	12.84
16"	1.40	2.80	4.20	5.60	8.40	11.2	14.0	16.80
18"	1.77	3.54	5.31	7.08	10.62	14.16	17.7	21.24

*CuFt of Concrete Needed*

**A**

**FIGURE 2.**

**Square Foot® Footing Form Concrete Requirements:**

Model#	Concrete Volume
SF 22	2.0 CuFt
SF 28	4.5 CuFt
SF 32	7.0 CuFt

**3 MODELS AVAILABLE**



**SF 22**  
8 & 10"  
Tubes



**SF 28**  
8, 10 & 12"  
Tubes



**SF 32**  
12, 14, 16, & 18"  
Tubes

Conversion
60 LB. Bag = 0.50 CuFt
80 LB. Bag = 0.66 CuFt
1 Cubic Yard = 27 CuFt

\* Most concrete trucks carry between 7-9 Cubic Yards.

**B**

## SAMPLE FORMULA TO CALCULATE CONCRETE REQUIREMENTS

### PROJECT OVERVIEW

QTY 4 - Square Foot® Footing Forms

QTY 4 - Construction Tubes: 8" Diameter Tubes - 6' Tall

**In order to Calculate CuFt of Concrete REQ'D for this project follow these steps:**

**A - GOTO Figure 1.** What is the CuFt of concrete needed for each 8" diameter C-TUBE which is 6' Tall? **2.10**  
*(See box highlighted in Figure 1.)*

**B- GOTO Figure 2.** What is the CuFt of concrete needed for each **SF 22** footing form? **2.0**  
*(See box highlighted in Figure 2.)*

**C- Quantity of Footings and Columns for your project? 4 OF EACH**

**D - FORMULA: (A+B) \* C = (2.10+2.00) \* 4 = 16.4 CuFt of concrete**  
*Please see conversion chart above to evaluate bags or yardage needed for your project.*

\* Approximate yields; Do not under order

\* Check local ready-mix plant for minimum quantities



# CONCRETE REQUIREMENTS CUBIC YARDS & CUBIC FEET

## LEGEND

1 Cubic Yard is equivalent to 26.99 Cubic Feet

1 Cubic Foot is equivalent to 0.037 Cubic Yards

## HEIGHT OF COLUMN / CUBIC FEET OF CONCRETE

C-Tube Diameter	1'	2'	3'	4'	6'	8'	10'	12'
8"	0.35	0.70	1.05	1.40	2.10	2.80	3.50	4.20
10"	0.55	1.10	1.65	2.20	3.30	4.40	5.50	6.60
12"	0.80	1.60	2.40	3.20	4.80	6.40	8.00	9.60
14"	1.07	2.14	3.21	4.28	6.42	8.56	10.07	12.84
16"	1.40	2.80	4.20	5.60	8.40	11.2	14.0	16.80
18"	1.77	3.54	5.31	7.08	10.62	14.16	17.7	21.24

## HEIGHT OF COLUMN / CUBIC YARDS OF CONCRETE

C-Tube Diameter	1'	2'	3'	4'	6'	8'	10'	12'
8"	.0129	.0258	.0387	.0516	.0774	.1032	.1290	.1548
10"	.0202	.0404	.0606	.0808	.1212	.1616	.2020	.2424
12"	.0291	.0582	.0873	.1164	.1746	.2328	.2910	.3492
14"	.0396	.0792	.1188	.1584	.2376	.3168	.3960	.4752
16"	.0517	.1034	.1551	.2068	.3102	.4136	.5170	.6204
18"	.0654	.1308	.1962	.2616	.3924	.5232	.6540	.7848

Model#	Concrete Volume Cu Yards	Concrete Volume CuFt
SF 22	.0740	2.0 CuFt
SF 28	.1665	4.5 CuFt
SF 32	.2590	7.0 CuFt

### 3 MODELS AVAILABLE



SF 22  
8 & 10"  
Tubes



SF 28  
8, 10 & 12"  
Tubes



SF 32  
12, 14, 16, & 18"  
Tubes

### Conversion

60 LB. Bag = 0.50 CuFt

80 LB. Bag = 0.66 CuFt

1 Cubic Yard = 27 CuFt

\* Most concrete trucks carry between 7-9 Cubic Yards.

SEE CONCRETE CALCULATOR ONLINE @

[www.sqfoot.com/calc\\_tubebase\\_gen.htm](http://www.sqfoot.com/calc_tubebase_gen.htm)

Calculates concrete quantities needed for your project  
**QTY/SIZE of FOOTING & QTY/SIZE of COLUMNS**



**SQF**  
SQUARE FOOT™

# ONLINE CONCRETE VOLUME CALCULATOR

## ONLINE CONCRETE CALCULATOR

### PROJECT:

a - QTY 4 SF 22's  
b - QTY 4 10" -5' Tall Construction Tube Column Forms

### STEP 1:

Pick model of footing form being utilized.

### STEP 2:

Pick quantity of forms being utilized.

### STEP 3:

Pick dimension of construction tube being utilized.

### STEP 4:

Pick length/height of construction tube being utilized

### STEP 5:

Pick quantity of construction tubes being utilized. *(Should be the same as the quantity of footings chosen)*

### STEP 6:

Press on CALCULATE button.

This will calculate total amounts of concrete you need to order or pickup for your project.

**CLEAR ALL:** Use this to clear calculations and repeat the process again if needed.

### METRIC CONVERSION:

See [www.easysurf.cc/cnver6.htm](http://www.easysurf.cc/cnver6.htm)

Concrete Calculator

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**Footing**

**ℓ:** Feet  Inches

**w:** Feet  Inches

**h:** Feet  Inches

**Number Of Each:**

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**Footing**

**d:** Feet  Inches

**h:** Feet  Inches

**Number Of Each:**

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**Form:**  ▼

**Number Of Each:**

[www.SoundFootings.com](http://www.SoundFootings.com)

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**Sonotube**

**d:** Feet  Inches

**h:** Feet  Inches

**Number Of Each:**

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**Cubic Feet Required:**

**Cubic Yards Required:**

**Number Of 60# Bags:**

**Number Of 80# Bags:**

**SEE CONCRETE CALCULATOR ONLINE @**  
[www.sqfoot.com/calc\\_tubebase\\_gen.htm](http://www.sqfoot.com/calc_tubebase_gen.htm)

**Calculates concrete quantities needed for your project**  
**QTY/SIZE of FOOTING & QTY/SIZE of COLUMNS**