



BLOCK & HARDSCAPE
Family Owned Since 1946

CMU QUICK CALCULATIONS

| MASONRY MORTAR USAGE | | | |
|---------------------------|----------------|-------------|--------------------------|
| Type | Block (8x8x16) | Brick | Stone Veneer (Dry Stack) |
| Sack (94 lbs) | 18-22 | 40-50 | 18-25 Sq Ft |
| 1 yd Bulk Bag (3,000 lbs) | 650-700 | 1,200/1,600 | 735 Sq Ft |

| MASONRY GROUT/CONCRETE MIX COVERAGE | | | |
|-------------------------------------|------------------|--------------------|--------------------|
| Type | 8x8x16 Precision | 6x6x16 Slump Block | Flat Work 4" Thick |
| Sack (90 lbs) | 3 | 6 | 2 Sq Ft |
| 1 yd Bulk Bag (3,000 lbs) | 96 | 192 | 80 Sq Ft |

| CONCRETE MIX OPTIONS | | | |
|----------------------|---------------|------------|--------------|
| Type | Masonry Grout | Fine Grout | Concrete Mix |
| Sand | 70% | 100% | 50% |
| Aggregate | 30% | 0% | 50% |

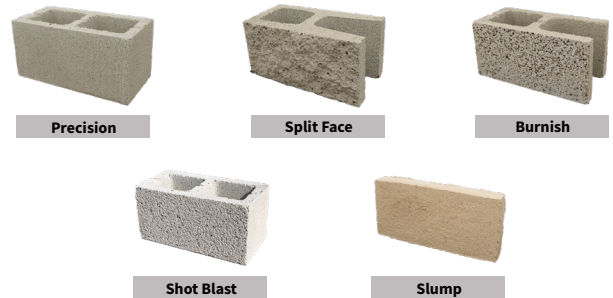
| CMU CALCULATIONS | |
|---|---------------------------------|
| Block required for a wall: Sq Ft | |
| 4" High x 16" Long Block | Multiply Sq Ft by 2.25 |
| 6" High x 16" Long Block | Multiply Sq Ft by 1.5 |
| 8" High x 16" Long Block | Multiply Sq Ft by 1.125 |
| To determine the number of block required per course: | |
| 16" Long Block | Multiply Length of Wall by 0.75 |

| Number of 16" Long Block | | | | | |
|--------------------------|----|-------|----|-------|----|
| 1'4" | 1 | 34'8" | 26 | 68' | 51 |
| 2'8" | 2 | 36' | 27 | 69'4" | 52 |
| 4' | 3 | 37'4" | 28 | 70'8" | 53 |
| 5'4" | 4 | 38'8" | 29 | 72' | 54 |
| 6'8" | 5 | 40' | 30 | 73'4" | 55 |
| 8' | 6 | 41'4" | 31 | 74'8" | 56 |
| 9'4" | 7 | 42'8" | 32 | 76' | 57 |
| 10'8" | 8 | 44' | 33 | 77'4" | 58 |
| 12' | 9 | 45'4" | 34 | 78'8" | 59 |
| 13'4" | 10 | 46'8" | 35 | 80' | 60 |
| 14'8" | 11 | 48' | 36 | 81'4" | 61 |
| 16' | 12 | 49'4" | 37 | 82'8" | 62 |
| 17'4" | 13 | 50'8" | 38 | 84' | 63 |
| 18'8" | 14 | 52' | 39 | 85'4" | 64 |
| 20' | 15 | 53'4" | 40 | 86'8" | 65 |
| 21'4" | 16 | 54' | 41 | 88' | 66 |
| 22'8" | 17 | 56' | 42 | 89'4" | 67 |
| 24' | 18 | 57'4" | 43 | 90'8" | 68 |
| 25'4" | 19 | 58'8" | 44 | 92' | 69 |
| 26'8" | 20 | 60' | 45 | 93'4" | 70 |
| 28' | 21 | 61'4" | 46 | 94'8" | 71 |
| 29'4" | 22 | 62'8" | 47 | 96' | 72 |
| 30'8" | 23 | 64' | 48 | 97'4" | 73 |
| 32' | 24 | 65'4" | 49 | 98'8" | 74 |
| 33'4" | 25 | 66'8" | 50 | 100' | 75 |

| Standard Block (2 cells) | Grouted Steel Placement (On Center) | Grout per 100 Sq Ft of wall (Cu Yd) | Grout per 100 block (Cu Yd) | Blocks per Cu Yd of grout |
|--------------------------|-------------------------------------|-------------------------------------|-----------------------------|---------------------------|
| 6" wide | Fully Grouted | 0.93 | 0.83 | 120 |
| | 16" | 0.55 | 0.49 | 205 |
| | 24" | 0.42 | 0.37 | 270 |
| | 32" | 0.35 | 0.31 | 320 |
| | 40" | 0.31 | 0.28 | 360 |
| 48" | 0.28 | 0.25 | 396 | |
| 8" wide | Fully Grouted | 1.12 | 1.00 | 100 |
| | 16" | 0.65 | 0.58 | 171 |
| | 24" | 0.50 | 0.44 | 225 |
| | 32" | 0.43 | 0.38 | 267 |
| | 40" | 0.37 | 0.33 | 300 |
| 48" | 0.28 | 0.30 | 330 | |
| 10" wide | Fully Grouted | 1.38 | 1.23 | 80 |
| | 16" | 0.82 | 0.73 | 137 |
| | 24" | 0.63 | 0.56 | 180 |
| | 32" | 0.53 | 0.47 | 214 |
| | 40" | 0.47 | 0.42 | 240 |
| 48" | 0.43 | 0.38 | 264 | |
| 12" wide | Fully Grouted | 1.73 | 1.54 | 65 |
| | 16" | 1.01 | 0.90 | 111 |
| | 24" | 0.76 | 0.68 | 146 |
| | 32" | 0.64 | 0.57 | 174 |
| | 40" | 0.57 | 0.51 | 195 |
| 48" | 0.53 | 0.47 | 215 | |

| Number of 8" High Block | | | | | |
|-------------------------|---|-------|----|-------|----|
| 1'4" | 2 | 8' | 12 | 14'8" | 22 |
| 2' | 3 | 8'8" | 13 | 15'4" | 23 |
| 2'8" | 4 | 9'4" | 14 | 16' | 24 |
| 3'4" | 5 | 10' | 15 | 16'8" | 25 |
| 4' | 6 | 10'8" | 16 | 17'4" | 26 |
| 4'8" | 7 | 11'4" | 17 | 18' | 27 |
| 5'4" | 8 | 12' | 18 | 18'8" | 28 |

Finishes*



*For reference only. Always verify color and texture with physical samples.

CONSULT ORCO.COM FOR FULL PRODUCT SPECS AND INSTALLATION INSTRUCTIONS.

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