RIVERSIDE
Brick & Supply

Masonry Estimating Guide

Masonry Estimating Guide is a "rule of thumb" calculator intended to assist users in planning for the correct amount of materials required for a particular project. **Note: Approximately 5% to 10% should be added to all quantities for breakage, spillage and errors.**

Riverside Brick & Supply makes no guarantees to the accuracy of any estimates based on the information provided in this guide and takes no responsibility for its use.

Brick & Block Quantities

- Half High Block (4" x 4" x 16")	2.25 Block per SF of wall area
- Standard Block (4", 8", 10", 12")	1.125 Block per SF of wall area
- Modular Face Brick	7 Brick per SF of wall area
- Engineer Face Brick	6 Brick per SF of wall area
- Utility Face Brick	3 Brick per SF of wall area

Mortar Quantities

- Block	3 Bags per 100 block
- Modular Face Brick	8 Bags per 1000 brick
- Engineer Face Brick	9 Bags per 1000 brick
- Utility Face Brick	13 Bags per 1000 brick

Sand Quantities

- Sand	1 Ton per 7 bags of mortar

To help you better understand the use of this guide, we have provided the following example: If a mason needs to know how much block, mortar and sand must be purchased to erect a 20' long x 10' high wall, the Estimating Guide reveals that there are 1-1/8 blocks per square foot of wall area. The area is 200 SF, which requires 225 blocks (1-1/8 x 200 = 225). Three bags of mortar are estimated for every 100 block, therefore 6-3/4 bags of mortar are needed ((225 block x 3 bags mortar) / 100 block = 6-3/4 bags of mortar). One cubic yard of sand is required for every 7 bags of mortar, therefore, the mason must also purchase .96 yards of sand ((1 cubic yard of sand x 6-3/4 bags of mortar) / 7 bags of mortar = .96 yards of sand).