

Technical Bulletin

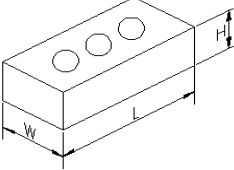
Rule of Thumb Figures

Block

- 3 bags mortar per 100 block
- 1000 lbs of sand per 100 block
- 1.125 block per sq. ft. wall
- ASTM Specification C90

Mortar

- Typical walls (above grade) use Type N
- Below grade and block foundations use Type S
- Pavers use Type S
- 1 part masonry cement mortar: 3 parts sand
- ASTM Specification C270

 Brick Size	Dimension (W x H x L) (in)			Brick per Sq Foot	Mortar Bags per 1,000 Bricks	Brick Ties per 1,000 Bricks
Modular (M/S)	3 1/2"	2 1/4"	7 5/8"	6.86	7	55
Queen (Q/M)	2 3/4"	2 3/4"	7 5/8"	5.76	6.5	65
King (K/S)	2 5/8"	2 3/4"	9 5/8"	4.61	9	85
Engineer Modular (E/M)	3 1/2"	2 3/4"	7 5/8"	5.76	8	65
Utility (U/S)	3 5/8"	3 5/8"	11 5/8"	3	12	125
Utility Closure	3 5/8"	3 5/8"	7 5/8"	4.5	9	85
Economy (ECO)	3 5/8"	3 5/8"	7 5/8"	4.5	9	85
Norman (N/S)	3 1/2"	2 1/4"	11 5/8"	4.57	10	85
Princess	2 3/4"	2 3/4"	8 3/4"	5.05	7	75

* Add approximately 5% for waste.

Sand

- Order 1½ ton of sand for every 7 bags of masonry cement mortar
- ASTM Specification C144

Pavers

- 4.5 Pavers per sq. ft.
- 2" sand setting bed, 1 ton covers 110 sq. ft.
- 4" compacted base, 1 ton covers 43.5 sq ft
- ASTM Specification C902 (Pedestrian and Light Traffic 2¼" and 1¼" units) & C1272 (Heavy Vehicular 2½" units)

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Rule of Thumb Figures - Continued

Sealers and Cleaners

ProSoCo Products

- Weatherseal Siloxane PD™ 1 gallon per 125 sq. ft. surface area
- Effortless™ 1 gallon per 80 to 125 sq. ft. depends on severity
- One Restore™ 1 gallon per 80 to 200 sq. ft. depends on severity
- NMD-80 1 gallon per 200 sq. ft. surface area

Weeps

- Order 1 weep for every 2 linear feet of base course, above and below all openings
- Order weeps for roof intersections on pre-fab chimneys

Lintels

- **Minimum length = Masonry Opening plus 8" (Openings up to 6 feet)**
Minimum length = Masonry Opening plus 12" (Openings between 6 to 9 feet)
Minimum length = Masonry Opening plus 24" (Openings greater than 9 feet)
- Lintels are ordered in 6" length increments (order next size up)
- For vinyl windows the out to out dimension is the same as the masonry opening

Flashing

- Around base course
- Above and below all window and door openings (double lintel length)

Landscaping Coverage – coverage per ton in sq. ft.

Depth	Brick Chips	Garden Trak
1"	300 sq. ft.	280 sq. ft.
2"	150 sq. ft.	140 sq. ft.
3"	100 sq. ft.	93 sq. ft.
4"	75 sq. ft.	70 sq. ft.
5"	60 sq. ft.	56 sq. ft.
6"	50 sq. ft.	47 sq. ft.

Thin Brick / Thin Rock Mortar

- Scratch Coat 2 bags mortar per 100 sq. ft. (brick and rock)
- Grouting Joints 1 bag mortar per 100 sq. ft. (brick)
2 bags mortar per 100 sq. ft. (rock)

Thin Brick (Thin Set, Fast Adhesive)

- Adhesive (Power Grab) 1– 10oz. tube per 50 brick
- Pointing Mortar 1– 50lb. bag per 50 sq. ft.
- Thin Brick Mortar 1– 50lb. bag per 50 sq. ft.

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