

Grout & Thinset Coverage Chart

How far a 25 lb bag of sanded grout goes for common tile sizes and joint widths, how far a 50 lb bag of thinset goes for each trowel notch, and sealer coverage.

Sanded grout: sq ft per 25 lb bag (3/8 in thick tile, full joints)

Tile size	1/16" joint	1/8" joint	3/16" joint	1/4" joint
2 × 2 in	122	64	44	35
4 × 4 in	238	122	83	64
3 × 12 in	285	146	99	76
6 × 6 in	355	180	122	93
12 × 12 in	704	355	238	180
6 × 24 in	565	285	192	146
18 × 18 in	1,053	529	355	267
12 × 24 in	937	471	316	238
24 × 24 in	1,402	704	471	355

Same formula as our grout calculator: joint volume per sq ft = $((W + J) \times (L + J) - W \times L) \times \text{depth} \div \text{cell area}$; sanded grout $\approx$ 110 lb per cu ft (unsanded $\approx$ 100, epoxy $\approx$ 125). Thinner 1/4 in wall tile uses a third less grout than the table shows. Check the bag: products differ.

Thinset: sq ft per 50 lb bag

Trowel notch	Sq ft per bag	Bags per 100 sq ft
3/16" V-notch	110	1
1/4" × 1/4" square	95	2
1/4" U-notch	85	2
1/4" × 3/8" square	75	2
3/8" × 3/8" square	60	2
1/2" × 1/2" square	45	3

Larger tiles need bigger notches to get full coverage; back-buttering large-format tile uses more. Follow the thinset maker's coverage chart and the tile maker's trowel recommendation.

Sealer: sq ft per quart, first coat

Surface	Sq ft per quart	Notes
Grout lines only (glazed tile)	400	Brush or wheel on joints only
Unglazed ceramic / quarry	200	Seal before grouting too, or pigment stains the face
Natural stone (marble, travertine)	150	Very porous: two coats minimum
Slate / highly porous stone	100	Thirstiest surface; a third coat is common

Second and later coats go about 25% further than the first.