

Thinset Coverage Calculator

Quick reference for estimating thinset mortar quantities based on trowel size and area.

Coverage by Trowel Size (per 50 lb bag)

Trowel Size	Tile Size Range	Coverage per Bag	Notes
¼" × ¼" square	Mosaic to 4"	90–100 sq ft	Backsplash, shower floors
¼" × ■ square	6" to 12"	70–80 sq ft	Standard wall & floor
½" × ½" square	13" to 24"	40–50 sq ft	Large format — back-butter
¾" × ¾" square	24"+	25–35 sq ft	Extra-large — always back-butter

Calculation Worksheet

Step	Your Numbers
1. Total tile area (sq ft)	_____ sq ft
2. Trowel size you're using	_____
3. Coverage per bag (from chart)	_____ sq ft/bag
4. Bags needed (Step 1 ÷ Step 3)	_____ bags
5. Add 10% waste factor	+ _____ bags
6. TOTAL bags to order	= _____ bags

Our Top Thinsets

- **Laticrete 254 Platinum** — Polymer-modified, extended open time. Best for large-format tile.
- **Uzin CX-20 3-in-1** — Versatile for wall, floor, and mosaic. Quick grab.
- **Uzin CX-33 BiTurbo** — Rapid-set. Walk-on in 3–4 hours.
- **Laticrete 253 Gold** — Economy workhorse for standard tile.
- **Laticrete X5** — Lightweight formula, easy on the arms for wall tile.

Pro Tip: Always buy 10–15% more than your calculation. Low spots in the substrate eat more material than you expect.