

Tile Size Chart: Tiles per Square Foot & per 100 sq ft

Seventeen common tile sizes with the area of one tile, tiles per square foot, tiles per 100 sq ft with and without waste, and what each size is usually used for.

Tile size	Sq ft per tile	Tiles per sq ft	Tiles per 100 sq ft	+10% waste	Typical use
2 × 2 in	0.028	36.00	3600	3961	Mosaic sheets for shower floors that slope to the drain
4 × 4 in	0.111	9.00	900	991	Classic kitchen and bathroom wall tile
6 × 6 in	0.250	4.00	400	441	Wall tile and small floors, period bathrooms
8 × 8 in	0.444	2.25	225	248	Patterned cement and encaustic-look tile
12 × 12 in	1.000	1.00	100	111	Standard floor tile; the easiest size to estimate
16 × 16 in	1.778	0.56	57	62	Budget floor tile, builder-grade installs
18 × 18 in	2.250	0.44	45	49	Common floor size, modern without large-format handling
20 × 20 in	2.778	0.36	36	40	Large-format floors in open-plan rooms
24 × 24 in	4.000	0.25	25	28	Large-format floors
3 × 12 in	0.250	4.00	400	441	Long subway tile for walls
4 × 12 in	0.333	3.00	300	330	Wide subway tile for backsplashes and shower walls
6 × 24 in	1.000	1.00	100	111	Wood-look plank, the most common proportion
6 × 36 in	1.500	0.67	67	74	Long wood-look plank, fewer end joints
8 × 48 in	2.667	0.38	38	42	Extra-long wood-look plank
12 × 24 in	2.000	0.50	50	56	The most popular large-format floor and wall size
12 × 36 in	3.000	0.33	34	37	Large-format wall tile, often run vertically in showers
24 × 48 in	8.000	0.12	13	14	Large-format slabs for floors and feature walls

Tiles per sq ft = $144 \div (\text{width} \times \text{length in inches})$, ignoring the grout joint (the joint makes the real count a little lower, which is extra margin). Nominal sizes: measure a real tile, as many are 1/8-1/4 in under their nominal size.

Waste allowance by layout

Layout pattern	Waste to add
Straight / grid	10%
Brick / offset (1/3 or 1/2)	12%
Diagonal (45°)	15%
Herringbone	20%
Basketweave / complex mosaic	18%
Large format (24 in+)	12%

Boxes = $\text{area} \times (1 + \text{waste}) \div \text{sq ft per box}$ (printed on the carton), rounded up. Buy every box from the same lot and keep one spare box for future repairs.

Your tile

Tile size	_____	Sq ft per box	_____
Area (sq ft)	_____	Pattern / waste %	_____
Area with waste	_____	Boxes to buy	_____