

TILE ADHESIVE COVERAGE

TILE ADHESIVE COVERAGE CHART

ESTIMATED MATERIAL CONSUMPTION BASED ON TROWEL SIZE & BED THICKNESS



Estimated Material Consumption Based on Trowel Size & Adhesive Bed Thickness

Notched Trowel Size	Approx. Bed Thickness	Consumption (kg/m²)	Approx. Coverage per
6 × 6 mm	2 – 3 mm	3.0 – 3.5	5.5 – 6.5
8 × 8 mm	3 – 4 mm	4.0 – 4.5	4.5 – 5.0
10 × 10 mm	4 – 5 mm	5.0 – 5.5	3.5 – 4.0
12 × 12 mm	5 – 6 mm	6.0 – 7.0	2.8 – 3.3
15 × 15 mm	6 – 8 mm	7.5 – 8.5	2.3 – 2.7

Recommended Adhesive Bed Thickness

Tile Size	Recommended Trowel Size	Average Consumption (kg/m²)
Up to 300 × 300 mm	6 × 6 mm	3.0 – 3.5
300 × 600 mm	8 × 8 mm	4.0 – 4.5
600 × 600 mm	10 × 10 mm	5.0 – 5.5
600 × 1200 mm	10 × 10 mm	5.5 – 6.0
800 × 1600 mm	12 × 12 mm	6.0 – 7.0
1200 × 1800 mm	12 × 12 mm + Back Buttering	7.0 – 8.0
1200 × 2400 mm	15 × 15 mm + Back Buttering	8.0 – 9.0
800 × 3200 mm & Larger Slabs	15 × 15 mm + Back Buttering	8.5 – 10.0

Important Notes

- Consumption values are approximate and may vary depending on substrate flatness, tile profile, adhesive bed thickness and application technique.
- For large-format tiles, porcelain slabs and natural stone, back buttering is strongly recommended to achieve 100% adhesive coverage.
- Always use a suitable notched trowel and follow VELWIIN Technical Guidelines for optimum installation performance.



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