

How to Calculate Natural Stone Weights & Coverage for Your Project

By Wicki Stone – Great Meadows, NJ | <https://www.wickistone.com>

When it comes to natural stone projects—whether you're building a wall, walkway, patio, or garden feature—knowing how much material to order is critical. At Wicki Stone, we help landscapers, masons, and homeowners determine how much stone they need & how much it will weigh by using easy calculations.

****Disclaimer: Natural Stone will vary in exact weight/coverage due to several factors. These are just generalizations to be used for estimating.***

Weight Calculations: The Basics

To estimate the weight of your natural stone, you'll need to understand a few simple formulas and material densities.

Stone Weight Per Cubic Foot:

- Bluestone & Karney – 165 lbs/cu ft
- Limestone – 165 lbs/cu ft
- Granite/Indian Hill – 175 lbs/cu ft

Formula:

Square Feet × Thickness (in feet) = Cubic Feet

Cubic Feet × Stone Density = Weight in Pounds

Example:

Let's say you're using 1.5" thick Blue Thermal Pattern and want to cover 100 sqft:

- 1.5" = 0.13 ft
- 100 sqft × 0.13 ft = 12.5 cu ft
- 12.5 cu ft × 165 lbs = 2,062.5 lbs (or just over 1 ton)

Stone Coverage by Type

Use the table below to estimate how much area (face feet or square feet) each ton of stone will cover.

Item	Coverage per Ton
Normal Wallstones	13 face feet
Normal 2' Boulders	6 face feet
Irregular Flagstone at 1"	115 sqft

Irregular Flagstone at 1.5"	80 sqft
Irregular Flagstone at 2"	70 sqft
Gravel 1/8-3/4" (2" depth)	100 sqft
Gravel >1-3" (2" depth)	75 sqft
Building Veneer 3-4"	37 sqft
Building Veneer 4-6"	35 sqft
Belgium Block Standards	40 sqft
Belgium Block Jumbos	40 sqft

 Just plug in the quantity of tons to calculate approximate coverage based on the product type.

Palletized Stone Reference

- Wallstone: 1 pallet $\approx$ 1.5 tons $\rightarrow$ Covers 18-20 face feet

-Irregular Flagstone: 1 pallet of 2" thick $\approx$ 1.75 tons $\rightarrow$ Covers about 120 sqft

Need Help Figuring It Out?

At Wicki Stone, we specialize in providing the guidance and materials you need to complete your natural stone project on time and on budget. Whether you're a contractor or homeowner, give us a call or stop by with your project dimensions and we'll help you estimate what you need.

 Visit us in Great Meadows, NJ

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