

GRANITE FLAGSTONE PAVING TECHNICAL DATA SHEET

4 1/8" thickness = 60 LBS/FT²

1. PRODUCT NAME

**Cold Spring Granite
Granite Flagstone Paving**

Top Surface Finish: Thermal/Flamed-Highly slip-resistant, rough-textured surface.

2. MANUFACTURER

Cold Spring Granite Company
17482 Granite West Road
Cold Spring, MN 56320-4578
Toll Free 800-328-7038
Phone 320-685-3621
Fax 320-685-8490

Bottom Surface Finish: Surface may be sawn, thermal or partial polish. (No more than 50% polish left)

Edge Finish: Random broken or sawn

Recommended Joint Width: 3/4". Granite Flagstone paving is sold by square foot of coverage based on the recommended standard joint width.

3. PRODUCT DESCRIPTION

Basic Use: Cold Spring Granite Flagstone Paving is designed for use in exterior residential and interior/exterior commercial paving applications. Granite flagstone paving is ideally suited for extreme conditions, as they resist wear, deterioration and weathering, while maintaining their natural beauty and finish indefinitely.

Color Ranges:

- Black & Dark Gray
- Dark & Red Brown
- Red & Pink
- Light Pink & Light Gray
- Blue & Green

Availability of specific granite colors is subject to availability of post-production stock. Granite Flagstone Paving is produced and sold as quarry run, meaning the full color range of a given quarry is acceptable to the purchaser. Because flagstone paving is a by-product of cut-to-size granite, larger orders require sufficient lead time. Please contact a Cold Spring Granite representative for details.

Composition & Materials: Granite Flagstone Paving is a natural granite stone product. Granite is an igneous rock, formed from liquid magma, cooled slowly to form a substance approaching the hardness and durability of diamonds. Granite's three essential minerals are feldspar, quartz, and mica. These minerals occur in different proportions, giving each granite its own color, texture and structural characteristics.

Technical Information: Standard specification selection criteria for granite flagstone paving.

Standard Thickness: 7/8", 1 1/4", 2", 3 1/8", 4 1/8"

ASTM C 97:	Density	165 LBS/FT ³ Min.
	Absorption	0.40 % Max.
ASTM C 170:	Compressive Strength.....	19,000 PSI Min.
ASTM C 99:	Modulus of Rupture.....	1,500 PSI Min.
ASTM C 241:	Abrasion Resistance	H _A 25 Min.
ASTM C 880:	Flexural Strength.....	1,200 PSI Min.

Thickness Tolerance: ± 1/4".

Width Range: 1'-0" to 4'-0" Random

Length Range: 1'-0" to 4'-0" Random

Weight: Granite weighs approximately 170 pounds per cubic foot. Per square foot, weight translates as:

7/8" thickness = 14 LBS/FT²
1 1/4" thickness = 18 LBS/FT²
2" thickness = 30 LBS/FT²
3 1/8" thickness = 45 LBS/FT²

File ASTM test results available.

4. INSTALLATION

Granite Flagstone Paving may be installed over a compacted sand setting bed with sand swept joint filler or in a wet mortar (type S) setting bed with solid grouted joints.

Vertical applications would be in accordance with the specifications of the installer/contractor.

5. AVAILABILITY AND COST

Contact Cold Spring Granite for inventory availability, cost and area dealer.

6. WARRANTY

Granite supplied by Cold Spring Granite Company is natural material, subject to variations in color, shade, markings, and texture. Samples provided may vary from material delivered.

All goods are carefully packed and inspected before delivery to the freight carrier. Material should be inspected by the buyer upon receipt. Cold Spring Granite Company will assist with any supporting paperwork for Buyer's claim.

Claims Procedure: Claims that may arise due to damage or loss in transit, must be made directly with the freight carrier within five (5) days after receipt of material. Cold Spring Granite Company's responsibility ceases upon delivery to the carrier.

Exclusions: No claims will be allowed for any labor, nor does Cold Spring Granite Company accept any claims after the material is worked, cut and/or installed.

Cold Spring Granite Company shall not be responsible for damages, directly or indirectly, for the loss of any profits or other legal relief, due to delay in delivery, or failure to deliver goods, if said delay is caused by flood, natural disaster, fire explosion, acts of God, strike, embargo, shortage of field, transportation, war, national emergency or anything beyond Cold Spring Granite Company's control.

7. CANCELLATION

If the Buyer chooses to cancel or reduce an order, Cold Spring Granite Company may accept or reject any such requests. Material accepted for return requires authorization from Cold Spring Granite Company and is subject to a 25% restock charge. Only material packed

in original crating will be accepted for return.

8. MAINTENANCE

Granite is easy to care for. Clean with mild soap and water. For stain prevention and removal, contact a stone care company. Information about such companies is available through Cold Spring Granite Company.

9. TECHNICAL SERVICES

Local Cold Spring Granite dealers can address most specification, installation, and application questions. For further technical information, or the name of your area dealer, call Cold Spring Granite Company at 800-328-7038.

10. COLOR RANGE

Full quarry color range is provided without exception. They are produced as a standard stock item. Pavers will display broader range of color tone and natural quarry markings than custom cut work. The only criteria for rejection is the product quality, as relates to soundness.

Any range sample submitted for the custom fabricated portion of the project cannot be used as criteria for acceptance of the Granite Flagstone Paving portion of the project.