



1. **PRODUCT NAME**
ColdSpring
Granite Glacier Stone

13/16" Thickness = 12 LBS/FT²
1 3/16" Thickness = 17 LBS/FT²
2" Thickness = 30 LBS/FT²

2. **MANUFACTURER**
ColdSpring
17482 Granite West Road
Cold Spring, MN 56320-4578
Toll Free800-328-5040
Phone.....320-685-3621

Coverage: Glacier stone covers approximately 50 SF per ton using a 3/4" joint.

Top Surface Finish: Tumbled or Split

Color Ranges: Black & Dark Gray
Dark Red & Brown
Red & Pink
Light Pink & Light Gray
Blue & Green

3. **PRODUCT DESCRIPTION**

Basic Use: ColdSpring Glacier Stone is made by tumbling medium-sized stone to create a smooth, worn look on its surface. It is then split, providing two distinctly different options. It can be set in mortar with the tumbled side exposed to create a field stone look or with the split side exposed to provide a rough, textured look. Glacier Stone is ideal for walls, fireplaces and other applications where a natural stone look is desired. **It is available in single or multiple colors.**

Availability of specific granite colors is subject to availability of post-production stock. Glacier stone blocks are produced and sold as quarry run, meaning the full color range of a given quarry is acceptable to the purchaser. Because blocks are a by-product of cut-to-size granite, larger orders require sufficient lead time. Please contact a ColdSpring representative for details.

Composition & Materials: Glacier Stone is a 100% 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 Glacier Stone.

ASTM C 97: Density..... 165 LBS/FT³ 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_A25 Min.
ASTM C 880: Flexural
Strength..... 1,200 PSI Min.

File ASTM test results available.

Random Face Heights: 3" to 9" (± 3/8")

Bed Depth (front to back): 3 3/4" ±

Random Face Lengths: 0'-3" to 0'-12"

Recommended Joint Width: 3/4" ±

Corner Pieces available upon request.

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

4. **INSTALLATION**

Anchoring: Corrugated masonry anchors should be used and placed in the mortar joints and secured to the back-up material. These should be galvanized anchors and placed about 18" on center or 3 SF.

Cutting: Glacier Stone needs only to fit into an attractive ashlar pattern. Occasionally some pieces should be hand pitched or trimmed for a better appearance using a carbide tipped pitching tool.

ALWAYS USE PROPER SAFETY EQUIPMENT WHEN USING A HAND OR POWER TOOLS.

Setting: Use Type "N" mortar for setting in proportions of 1 part masonry cement to 3 parts washed sand. Mix the mortar quite stiff so moisture does not run down on the face of the Glacier Stone. Joints can be struck smooth or rough. Smooth joints are better for preventing moisture penetration in the joints. If the joints are raked back slightly from the face of the Glacier Stone, the mortar will be less visible due to the shadows.

5. AVAILABILITY AND COST

Contact Coldspring for inventory availability, cost and area dealer.

6. WARRANTY

Granite supplied by Coldspring 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. Coldspring 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. Coldspring's responsibility ceases upon delivery to the carrier.

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

Coldspring 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 Coldspring's control.

7. CANCELLATION

If the Buyer chooses to cancel or reduce an order, Coldspring may accept or reject any such requests. Material accepted for return requires authorization from Coldspring 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 Coldspring.

9. TECHNICAL SERVICES

Local Coldspring dealers can address most specification, installation, and application questions. For further technical information, or the name of your area fabricators/distributors, call Coldspring at 800-328-5040.

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 fabrication portion of the project cannot be used as criteria for acceptance of the glacier stone portion of the project.