

3. Install an edger or border of your choice to contain materials and add to the finished product.

4. Now make a drag board as in step #4, but pay special attention to the depth of your flagstone. When laying flagstone over cement, a 1" to 1 ½" flagstone will be sufficient, as strength will be gained from the cement.

5. Preset and cut all pieces of flagstone prior to mixing cement.

6. In a wheelbarrow, mix your cement (1 part cement to 4 parts sand) and add water to make a stiff mixture. Now spread the stiff mixture at a depth of 1 ½" and use the drag board to smooth it out. Work at a 4-6' area at a time to avoid mixture from setting up. Place your preplanned flagstone into the cement and set in to ½" the depth of the piece and level.

Keep a small amount of cement in your wheelbarrow to use for leveling flagstone pieces as you go. Continue this process until area is complete.

7. As the area is leveled and begins to set up, go back and remove cement mixture at all joints to a 1" depth. Clean the surface of all flagstone pieces and any cement residue and let your project set for 24 hours.

8. Now mix a batch of grout (1 part cement to 1 part fine sand), adding enough water to make a stiff mixture. With a trowel, fill in the gaps with grout, packing it in as tightly as possible. Keep the excess off the face of the flagstone to avoid discoloring. Lightly sprinkle the entire area with water to keep the grout moist for 36 hours. Your project should be ready for full use in 5-7 days.

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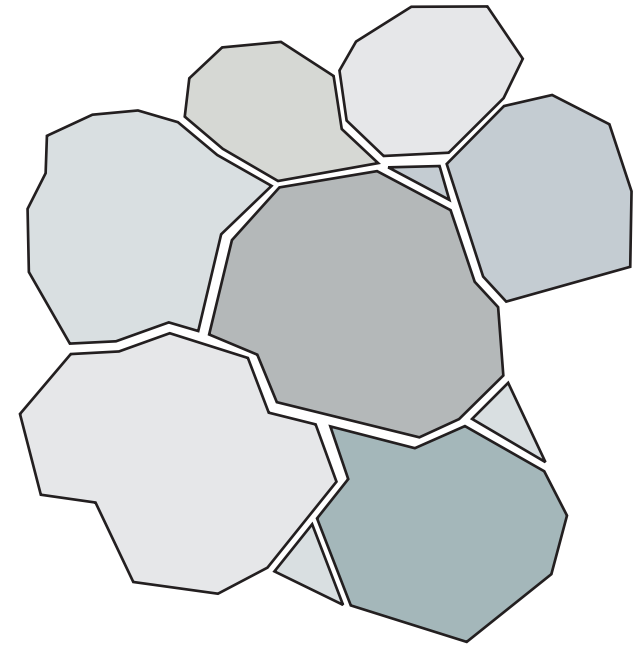
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## INSTALLING FLAGSTONE



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# INSTALLING FLAGSTONE

Flagstone is great for walkways and patios and comes in multiple colors. The best thickness is 1 ½"- 2" and may be purchased in irregular shapes or pre-cut square or rectangular pieces.

## Materials Needed

- Flagstone. 1 ton will cover approx. 90-120 sqft.
- Sand. 1 ton will cover approx. 240 sqft. at 1" deep.
- Edger. Steel, plastic, ties, or timbers.

Measure the length of the area and multiply by the width of the area to get your square footage. *Need Help? Bring a diagram of your area with measurements to our sales staff.*

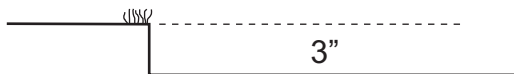
Length x Width = Square Footage

## Tools Needed

Wheelbarrow, broom, 2x4, garden hose, and misc. hand tools

## Setting Flagstone Over Sand

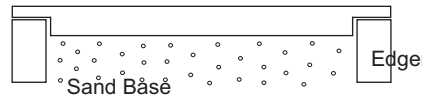
1. Designate the area and size of your walkway or patio.
2. Prepare by excavating a compacted area approximately 3" below where you want your finished product. (see diagram)



3. Install an edger or boarder of your choice to contain materials and add to the finished product.

4. Install 1" to 1 ½" of sand over the entire area as evenly as possible. Lightly sprinkle sand with water to achieve some compaction and create a firm product to work with.

You now need a straight 2x4 to make a drag board. The 2x4 should be notched 2" from each end and approximately 1 ½" to 2" in depth, or the same depth of your flagstone. The 2x4 should extend from edger to edger. (see diagram)



Set the 2x4 on top of the edger and drag the sand to get a smooth, uniform bed to lay the flagstone on. (Redrag as needed; to get a uniform surface, it may be necessary to add or subtract sand in certain areas.

5. Lay out the flagstone one at a time, matching them to fit like a puzzle. Keep straight edges along the boarder. Level flagstone accordingly as every 3rd or 4th piece is placed (too high - remove some sand, too low - add some sand). Leave gaps of ½" to 1" between flagstone to be filled later.

6. Cutting flagstone to fit can be time consuming, but when done properly it will add to the finished product. To cut an edge or corner off, simply use a chisel to score a line where you want the break. Then place a 2x4 directly under the score and gently tap the stone on the break line.

When picking your pieces, allow for some miscalculated breakage, but save the pieces, as they may fit later.

7. When area is laid, lightly walk over pieces to check for level and for pieces rocking. Add or subtract sand under corners as needed.

## Finishing your Walkway

Option A. Sprinkle breeze over flagstone and sweep into gaps. Again lightly sprinkle with water several times to get a compacted finish.

Option B. Fill gaps with breeze/concrete mix for a more permanent finish. Mix 3 parts breeze to 1 part cement in a wheelbarrow. Mix this dry, NO WATER. Mix thoroughly with a shovel and then fill gaps to 2" depth. Completely sweep off all pieces to make sure no mixture is on the flagstone to avoid concrete residue from discoloring the surface. When all gaps have been filled and entire area has been swept, lightly sprinkle all gaps with water. This step will need to be repeated several times lightly to get the moisture to a 2" depth and set all concrete.

## Setting Flagstone over Concrete

1. Designate the area and size of your walkway or patio.
2. Prepare by excavating a compacted area approximately 2" below where you want your finished product.