

Stone Engraving Ontario

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Brick Pavers FAQ

Brick - Brick paving stones are different from the brick used on house walls in that they are solid, i.e., without holes. Typical sizes used for fundraising are 4"x 8", 8"x 8", 12"x12" and the typical thickness is approx 2 1/4". There are also many different styles to choose from with each manufacturer carrying its own selection but for engraved pavers, only stones with a flat surface are acceptable. Examples of bricks that work well are Oak Pavers classic series which comes in all 3 sizes mentioned above and Holland stone from Unilock which only comes in 4x4 and 8x8 sizes.

What materials will you need?

Sand - This is what holds the brick in place. Use only well-graded, washed concrete sand, some of the new polymer sands available are said to be the best choice for bricks installed into the ground.

Crushed Stone - This creates a strong base. It may be called different things in different parts of the country - gravel, road base, or crusher run and can be made from many different types of stone but the most common is crushed Limestone. Whatever the name, the stones should range in size from about 3/4" down to fine dust.

Border or Edging Material Options

1. Brick
2. Rigid plastic or metal specifically intended as edging material
3. Wood: 2 x 4 or 4 x 4 pressure-treated, or natural redwood
For wood, metal or rigid plastic, you'll need metal spikes that are at least 8" long.
4. String and Wooden Stakes (for aligning brickwork)

How to Determine How Much You'll Need

Paving stones

1. Determine the square feet (length x width) of the area you want to pave.
2. Estimate the number of pavers needed:
For 4" x 8" pavers - 4.5 pavers per sq. ft.
For 8" x 8" pavers - 2.25 pavers per sq. ft.
For 12" x 12" pavers - 1 paver per sq. ft.
Add 5% extra for chipped or broken pavers.

Example: A 10' by 20' patio = 200 sq. ft. x 4.5 pavers/sq. ft. = 900 pavers

An additional 5% (900 x .05) = 45 pavers

Total needed so far = 945 pavers

Typically, you should also include an additional 1 1/2 bricks per linear foot of edge for cutting.

Example: linear footage = 10+20+20+10 = 60 linear feet

60 x 1.5 = 90 pavers

945 + 90 = 1035 total pavers needed for the job.

Edging Material

1. Measure the linear foot of open edges - those not up against a house, curb, driveway, etc. This is the number of feet of edging material you will need. If you plan to edge with brick standing on end (soldier position), calculate one brick for each 4" of edge.
2. For wood or rigid plastic edging, plan on one stake for each 2 to 3 feet of edge.

Sand and Crushed Stone

1. The sand and crushed stone you will use in your project are measured in cubic yards (1 cubic yard = 27 cubic feet).
2. For any type of paving project, whether patio, walkway or driveway, you will need approx a 1" depth of sand. To determine the number of cubic yards of sand, multiply the square footage by .00309.

Example: 200 sq. ft. patio x .00309 = 0.62 cubic yards of sand.

3. The amount of crushed stone you will need depends on your type of paving project:
 - o For light duty projects, such as walkways or patios, you will use a 4" depth of crushed stone. To determine the cubic yards of crushed stone needed to create a 4" base, multiply the total square footage by .01235.
 - o For heavy duty projects such as driveways, you will use an 8" depth of crushed stone. To determine the cubic yards of crushed stone needed to create an 8" base, multiply the total square footage by .02469.

Example: For a 200 sq. ft. *patio*, you will want a 4" base of crushed stone.

200 sq ft. x .01235 = 2.47 cubic yards of crushed stone.

Example: For a 200 sq. ft. *driveway*, you will want an 8" base of crushed stone.

200 sq. ft. x .02469 = 4.94 cubic yards of crushed stone.

(In areas of extreme wetness or severe freeze/thaw, you may need a deeper base.)

Tips for Laying Brick Pavers

Laying brick pavers is a job that can transform the look of any space. When you are about to take on this job, there are several things that you will want to keep in mind. Here are a few tips for laying brick pavers effectively.

Buy Enough For the Job

Many people try to skimp on the amount of brick pavers that they purchase initially. In most cases, you will want to buy extra brick pavers when you make your initial purchase. If you end up short on the job, you are going to have to go back and try to find brick pavers from the same batch. In many cases, this can be next to impossible. Therefore, you will want to make sure that you buy plenty of brick pavers to cover the space that you want to cover. When you are measuring the space, you will want to calculate the square footage of the area and then add approximately 10 percent to that number. This is going to provide you with enough material for the job in most cases.

Base

When you are about to start the job, you want to spend a lot of time preparing the base. You need to start out by digging out the area in which you are going to lay the brick pavers. Make sure that the area that you dig out is completely level. You are going to want to put about 6 or 7 inches of stones in the hole as a base before pouring the sand and putting on the pavers. Therefore, you will want to make sure that you dig the hole deep enough so that you can account for this depth. Once you have a hole deep enough, you need to pour it full of stones about 6 to 7 inches deep. Then put 1 to 2 inches of fine sand on top of the rocks. You are then going to want to take your time to smooth out the sand. You can use a board and a level to smooth out the sand and make sure that it is smooth.

Planning

When you are ready to start laying the brick pavers, you may want to take some time to plan out how you are going to lay them in the space. Take a piece of paper and a pencil and draw a detailed diagram of the area with dimensions. Then you are going to want to draw in the pattern for the brick pavers on your paper. You will also want to take note of any areas that you are going to have to work around. For example, you may need to calculate where a flower garden or monument is located in the area so that you can account for it in your pattern. By spending a few minutes laying out how you are going to lay out the brick pavers, you will save yourself hours later.

Do I need to seal the brick pavers?

Sealing your brick pavers not only keeps them looking new and beautiful, but provides a protective layer between the bricks and the elements. As well it will extend the life of the paint that has been applied to the engraved areas of the bricks. There are a number of finishes you can choose from but if you prefer a natural look to your pavers, you will

want to steer clear of the high sheen finish.

DISCLAIMER, PLEASE NOTE: This FAQ is intended as a reference only, rockyourworld.ca is not responsible for any inaccuracies or damages resulting from the use of this document. We recommend you use a qualified installer to ensure a proper installation based upon the climate and your location.

PLEASE SAVE LIST AS A 'TXT' FILE WITHOUT FORMATTING
AND KEEP ALL THE SAME BRICK SIZES TOGETHER

MAPLEVIEW PUBLIC SCHOOL

4 X 8

PAULA KENDAL
PRINCIPAL

MICHAEL FISK
2012

THE BOLTON
FAMILY

8 X 8

IN MEMORY OF
GRANDMA AND
GRANDPA
BURROWS

THE FOLEY
FAMILY
JIM, APRIL
JAMES & KENDRA

12 X 12

IN MEMORY OF
CAPTAIN HENRY
SYKES
KIA JUNE 25, 1944
ITALY

"EDUCATION IS THE MOST
POWERFUL WEAPON
WHICH YOU CAN
USE TO CHANGE
THE WORLD"
NELSON MANDELA

