

# BRICK

## When and Where to Use Each Type



## What is it that you are building?

Foundation walls, Brick Veneer, Firepits, and Patios all commonly use brick as a choice building medium.

### Foundation

Typical masonry foundations are built from either brick + block or block only. Most new construction gets a brick and block foundation wall, if not a full veneer. A majority of manufactured bricks are used for masonry foundations or brick veneer. They are commonly used in residential, commercial, and industrial construction.

### Brick Veneer

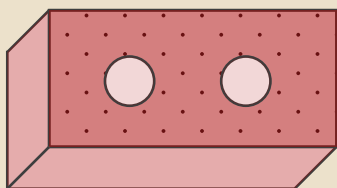
When planning for a build, you must decide whether you want a siding product for your home's exterior or if you want to install a brick veneer. Brick veneer are bricks that are installed above the foundation height. One thing to note: pay close attention to your brick selection for veneer. Some bricks cost .33c and some are priced over \$1 each. This can increase costs a lot.

### Pavers + Patios

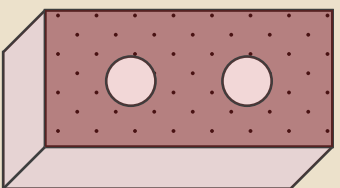
There are different types of bricks used for horizontal installation. They are what we call "solids". Bricks like these are literally solid, with no holes in the brick. This gives a smooth appearance and provides a stable base. For patios or paver work, the preparation is the most important aspect. The spot needs to be laser "level" and should be at the proper depth.

### Fire Pit / Fire Place

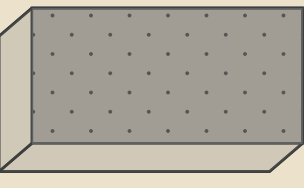
Ever heard of fire brick? Well, that's what most firepits are built from (if you're using brick). These specialty brick are extremely durable to super high temperatures. They are made specifically for the use inside of structures that have active fires going. They last forever and can provide additional heat surrounding the area, in addition to the actual fire.



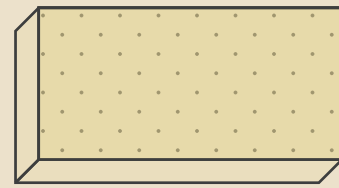
**Common dimensions:**  
7 5/8" (L) x 2 1/4" (H) x 3 5/8"



**Common dimensions:**  
7 5/8" (L) x 2 1/4" (H) x 3 5/8"



**Common dimensions:**  
8" (L) x 2 1/4" (H) x 4"



**Common dimensions:**  
9" (L) x 1 1/4" (H) x 4 1/4"

## All Brick Types

A brief explanation of the acceptable applications of 7 different brick types.



### Burnt Clay Brick

The most commonly used brick in construction. Burnt clay bricks are made by pressing wet clay into molds, before being fired in a kiln.



### Fire Brick

Also known as refractory brick, fire brick are designed for use in and around fire. Fireplaces, fire pits, pizza ovens, furnaces, and more.



### Sand Lime Brick

Sand lime bricks use a simple mix of sand, lime, and water. With no toxic chemicals, it's a healthy green alternative to traditional brick.



### Engineering Brick

Typically used in large commercial projects for their unparalleled compressive strength. These bricks are also resistant to frost.



### Fly Ash Brick

Fly ash is a waste byproduct of coal combustion in power plants. This brick features earthquake resistance and low thermal absorption.



### Sun Dried Brick

Also known as mud brick, sun dried bricks are of a lower quality than your typical production brick. They are formed and cured out in the sun.



### Concrete Brick

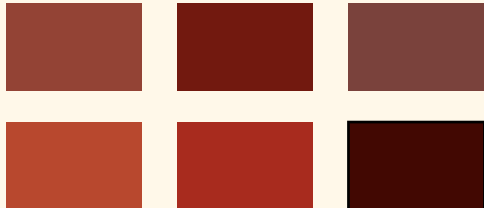
Technically, this is a block but due to its many different sizes and uses, it can be considered a brick made from concrete. Solid or with holes.

## Brick Color Families

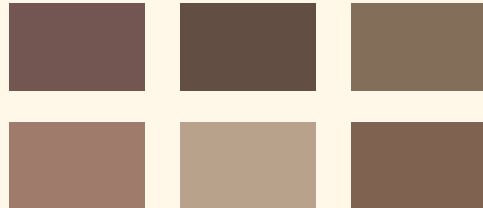
The 7 most common brick color families and some sample shades for inspiration.



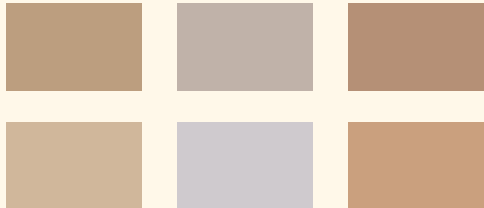
### Color: Reds



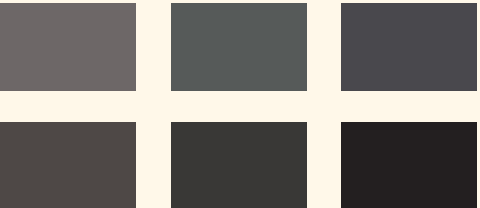
### Color: Browns



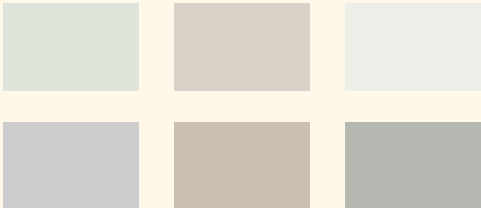
### Color: Tans



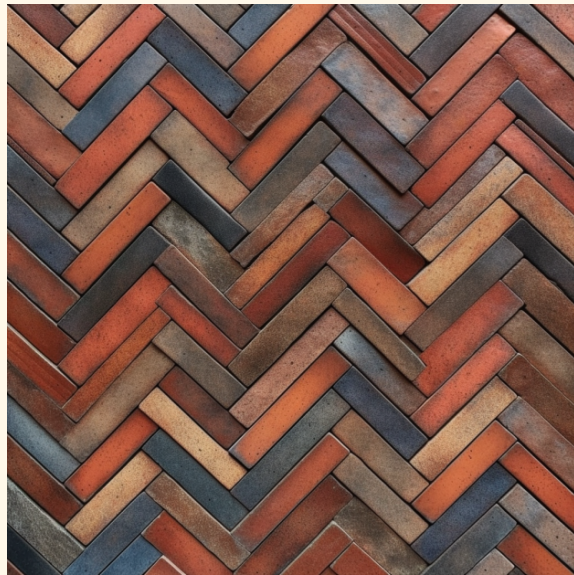
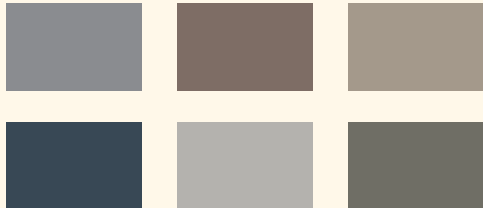
### Color: Blacks



### Color: Whites



### Color: Grays

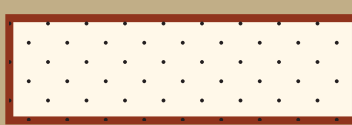


### Color: Multi



## Brick Sizes

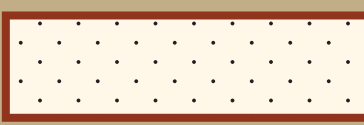
Typical measurements for the most common brick sizes and their uses.



### Modular Size

The smallest bricks in production, the modular brick is used heavily in residential construction.

7 5/8" (L) x 2 1/4" (H) x 3 5/8"



### Standard Size

Only 3/8" longer than a modular brick, the standard size brick is often referred to as an "over size".

8" (L) x 2 1/4" (H) x 3 5/8"



### Engineer Size

Used on projects where a large amount of veneer is to be installed. Less bricks required to do the job.

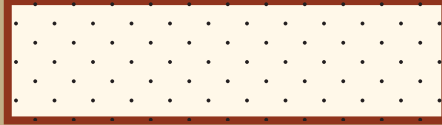
7 5/8" (L) x 2 3/4" (H) x 3 9/16"



### Queen Size

A taller face size paired with a more slim depth profile gives you a queen size brick. Lower labor cost.

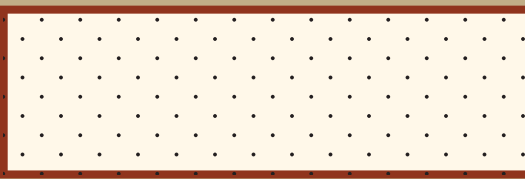
7 5/8" (L) x 2 3/4" (H) x 2 3/4"



### King Size

Similar dimensions to a queen size brick, but with an extra 2" of length. Very cost effective!

9 5/8" (L) x 2 5/8" (H) x 2 3/4"



### Utility Size

Used almost exclusively in large commercial projects, the utility brick is the mac daddy of bricks.

11 9/16" (L) x 3 9/16" (H) x 3 9/16"



### Norman Size

A long brick with a narrow face. They offer an aesthetic that other bricks don't offer; a slim appearance.

11 5/8" (L) x 2 1/4" (H) x 3 5/8"