



### Porotherm Application Guide Topic: Brick Cutting

Porotherm Smart Bricks can be cut into halves using wet cutting machine used commonly for Granite/ marble cutting. Follow these steps to achieve desired results

1. Pre-wet the brick prior to cutting
2. Place the brick on a firm ground
3. Mark the cutting line on all the four sides of the brick as per the required cut size of the brick
4. Using wet cutter make a cut on to the brick on all four sides
5. The cut should be approximately 30 - 35mm deep
6. Chisel the brick using a sharp tapering chisel/ flat chisel
7. The brick is chiseled on the flat strips on the bed surface having webs below
8. Bed surface is the one with wider plain strips or face with branding strip imprinted on the bricks
9. The chiseling to be done on both opposite sides until the brick breaks into two desired pieces

### Step:1

Make the marking on the brick



### Step:2

Cut through marked area with wet cutter



### Step: 3

Chisel on the webs to break into half brick



### Step: 4

Cut the brick piece apart



### Machine Details:

There are different Makes of Wet cutter available in market:

- i. Hitachi
- ii. Mektec
- iii. Power planet

Blades used for cutting:

- i. Diamond disc cutting blade
- ii. Eagle diamond disc cutting blade
- iii. Star diamond disc cutting blade
- iv. Alex diamond disc cutting blade

### Common Specification for machine

Rated input Power: 1300W  
Rated Voltage : 220V-240V  
Rated Frequency : 50Hz  
Capacity: 110mm  
No-Load Speed : 12000 rpm

Approximate costs for the wet cutter is INR. 2,500/- 4,000/-  
Approximate costs for the blades are INR.100/- 150/-