



Porotherm Application Guide  
Topic: Best Practices of  
Brick Cutting



Brick cutting of Horizontally Perforated Porotherm bricks can be done using Wet Cutting machine used commonly for granite/ marble cutting

Step:1  
Mark the brick on the area to be cut



Step: 2  
Cut along the marked area using the wet cutter



Step: 3  
Chisel along the web until the bricks split into half



Bricks cut into half



Porotherm Smart Bricks can be cut into desired sizes using wet cutting machine used commonly for granite/ marble cutting

Step:1



Step: 2



Step: 3



Wet cutting methods:

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 - 35 mm 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

Advantages of using Cutting machines to cut the bricks:

- Reduce wastage of bricks largely
- Quality construction
- Achieve accuracy in designed planes

### Suggested machines and its specification

Wet cutter makes available in market:

Hitachi  
Mektec  
Power Planet

Blades used for cutting:

- Diamond disc cutting blade
- Eagle diamond disc cutting blade
- Star diamond disc cutting blade
- 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 Rs. 2,500/- to 4,000/-

Approximate costs for the blades are Rs. 100/- to 150/-