

KILN 34

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Introduction

Kiln 34. A stackable, expandable, portable and affordable kiln, built with aerated autoclave concrete blocks (YTONG, and others). The number 34 is the cost of the kiln in euros.

This kiln is easy to assemble and can fire up to 1100 degrees Celsius. If you want to fire up to 1100 °C, insulate the floor and the first brick of the back wall with ceramic fibre or kiln shelf/ves.

If you fire below 1100°C i.e. bisque, Raku etc. use the kiln as shown in the photos.

For more information and schematics of bigger kilns please visit:

<https://www.hectormavridis.com/kiln>

Step 1



Step 2



Step 3



Step 4

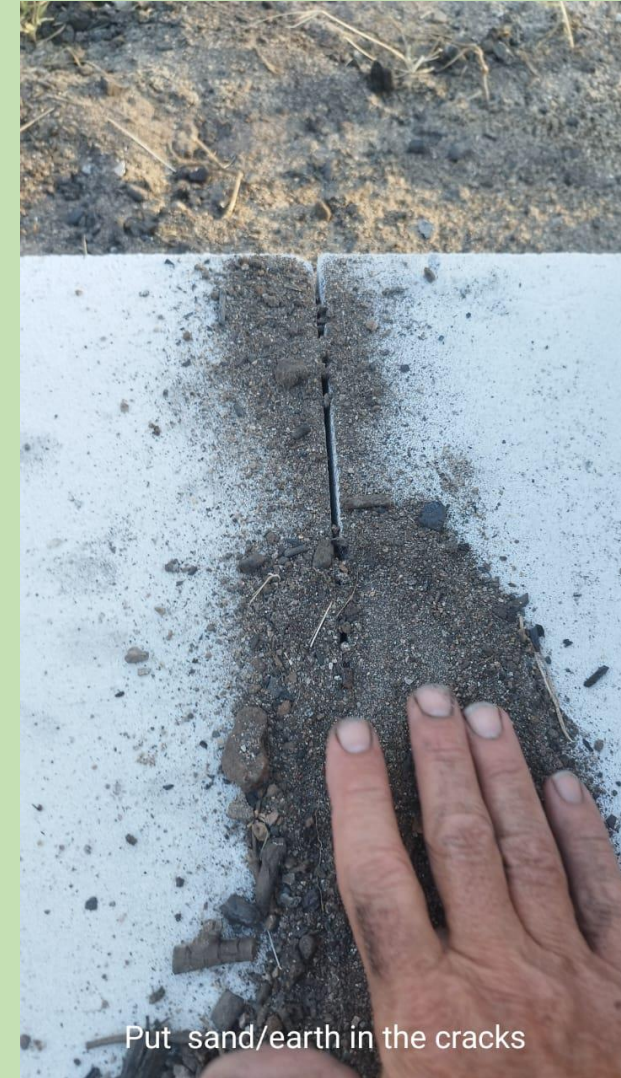


Step 5



Place two more bricks (4 total) and level by pushing down, moving sideways, filling the gaps of the bottom with sand /earth

Step 6



Put sand/earth in the cracks

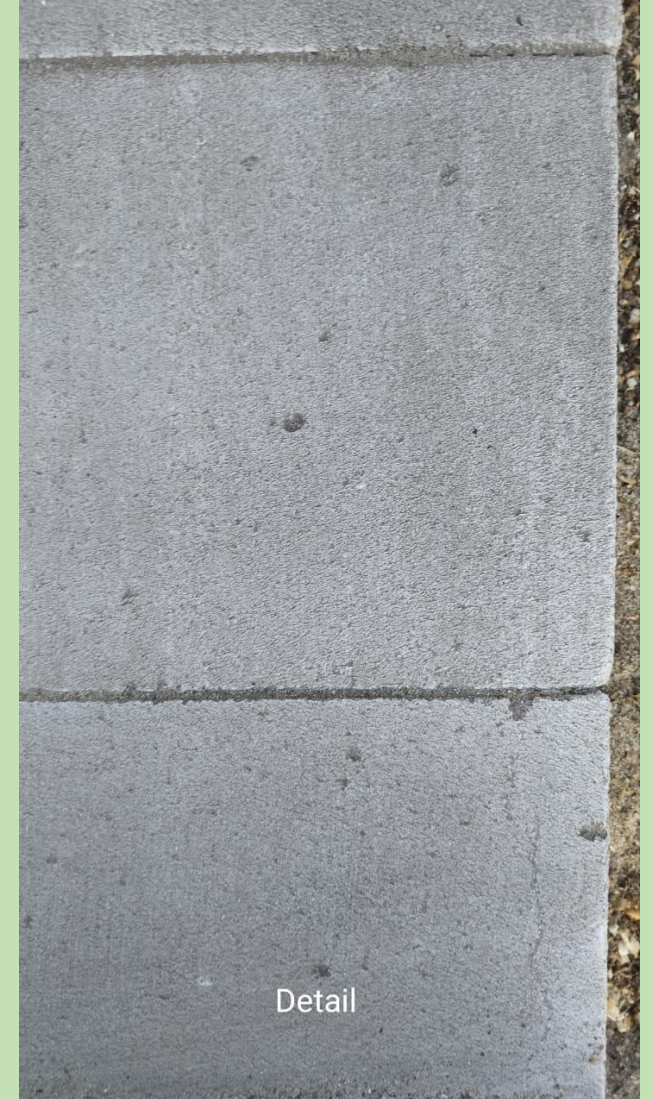
Step 7



Step 8



Step 9



Step 10



Step 11



Step 12



Step 13



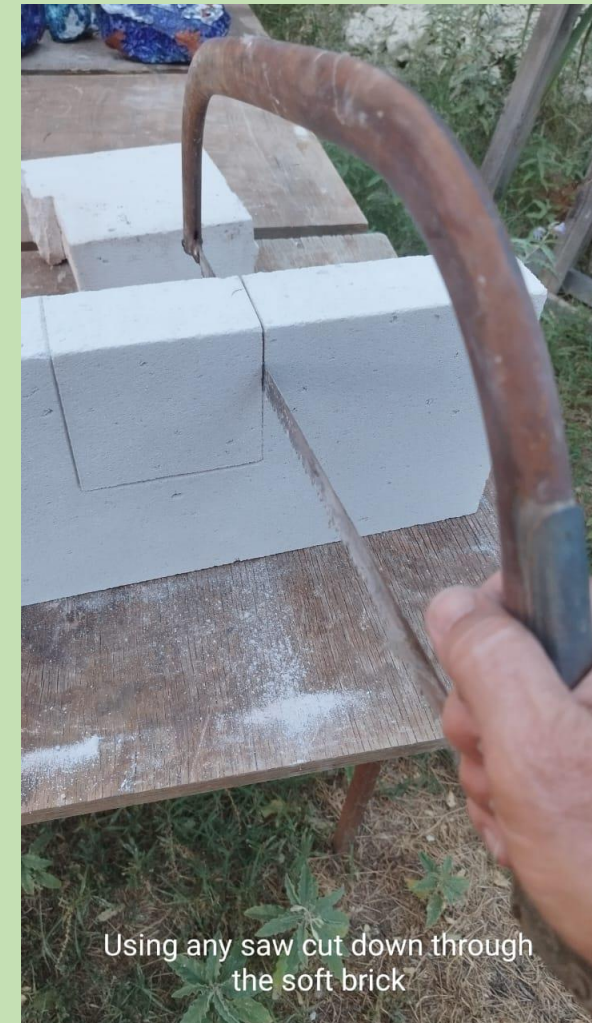
Incise the outline of the CD cover
on the brick with a nail or other

Step 14



Place on the narrow side
of the brick and incise

Step 15



Using any saw cut down through
the soft brick

Step 16



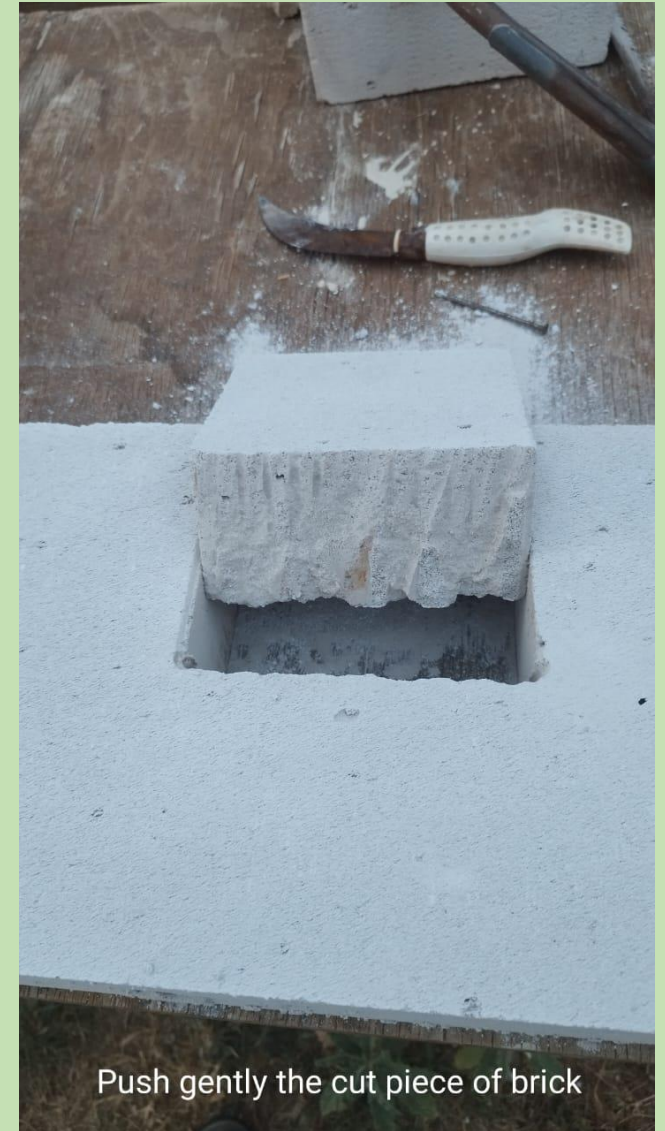
Pick any drill bit which is bigger than the thickness of the brick

Step 17



Drill down, along the top of the incised brick all the way to the other side

Step 18



Push gently the cut piece of brick

Step 19



Step 20



Step 21



Step 22



Step 23



Step 24



Step 25



Step 26



Step 27



Step 28



Step 29



Step 30



Photo 4/side view

Step 31



Cut a hole for the Pyrometer

Step 32



View of kiln with a simple
weed burner blow torch
and pyrometer... ready to be fired

(If you have extra bricks just stack
them around the kiln)

Step 33



Finally 😊
Cover the kiln to protect
the lid
from heavy rain

end