

## HDPE FOUNDATION

### You will require

- Concrete chisels
- Screws (1/4" x 3") and 3/4" washers
- or { 2" nails and nailer

OUTDOOR TEMPERATURE*	SPACE BETWEEN PANELS
<b>Between 5° and 20°C</b>	Between 5/8" and 3/4"
<b>Between 20° and 25°C</b>	Between 1/2" and 5/8"



**\*Please note that the panels must not be installed outside the installation temperature range (between 5° and 20°).**

### Steps

1- Level the concrete with a concrete chisel to remove imperfections in joints and bumps. Sanding is not necessary.

2- Install insulation panels according to standards.

3- You have two options for installing the panels:

#### OPTION A

Cut the panel down the middle lengthwise (2' x 8') and install horizontally. Leave 8" to 12" above ground and bury the remaining, i.e. 12" to 16".

Use 24" high Trim.

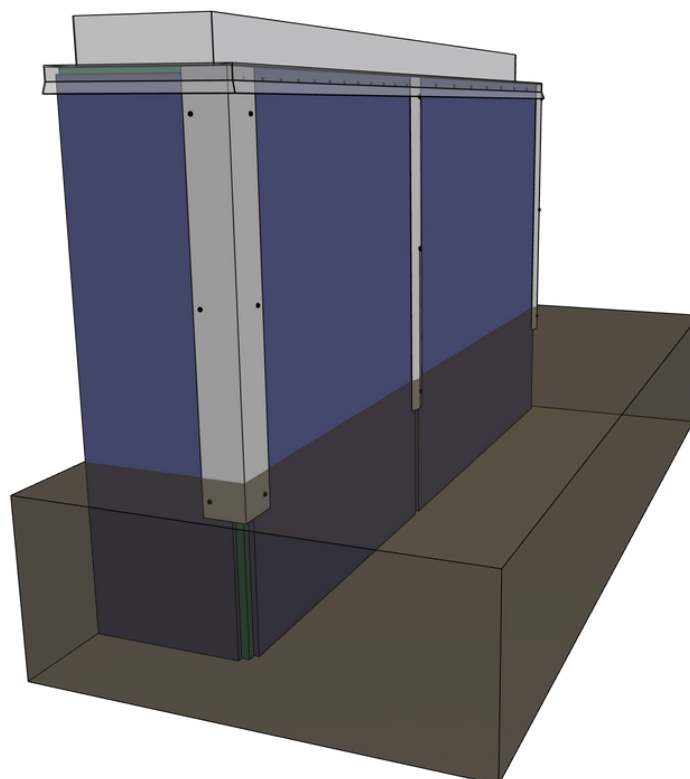
#### OPTION B

Cut the panel down the middle widthwise (4' x 4'). Leave 24" x 36" above ground, and bury the rest, i.e. 12" to 24".

Use 36" high Trim.

**STAINLESS STEEL TRIM CAN BE BURIED AND MUST BE SCREWED INTO THE CONCRETE, NOT INTO THE HDPE PANEL.**

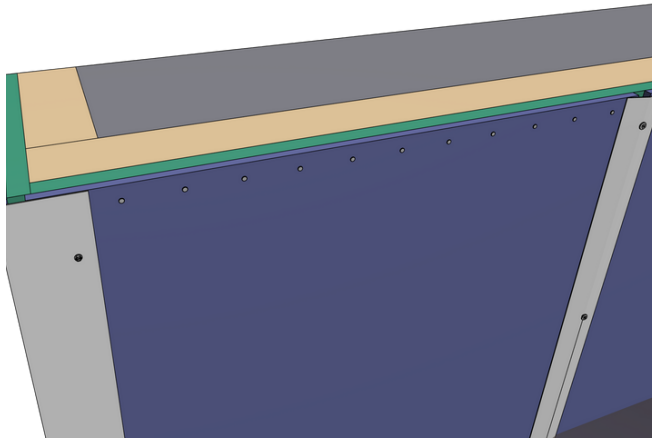
4- Begin installation at one corner, leaving 1" of space between the corner of the building and the HDPE panel for expansion.



The top of the panel must be fastened directly to the wood sole plate, 3/4" from the top of the sole, using one of the methods below:

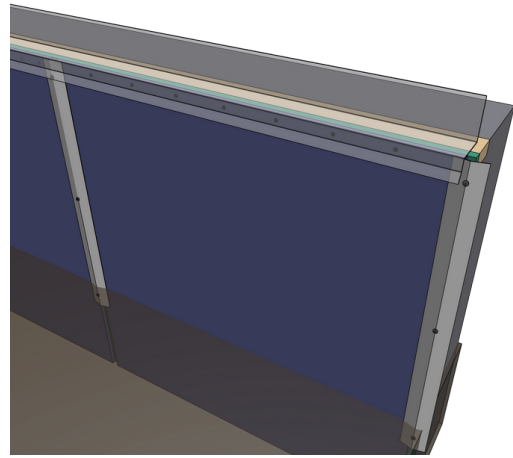
#### **NAILED OPTION**

Use a standard nailer with 2" long nails to fix the HDPE panel into the sole plate sill every 3".

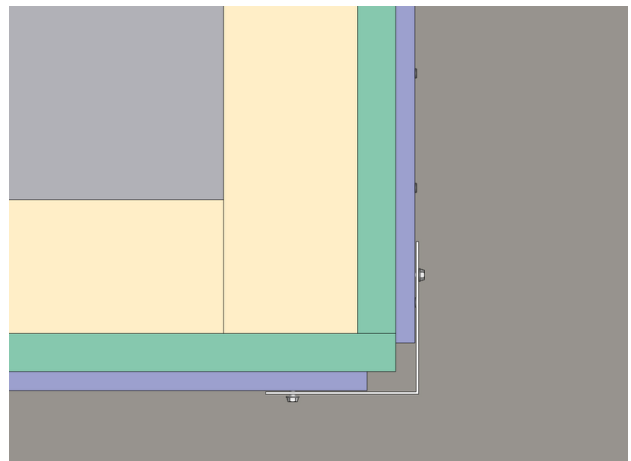
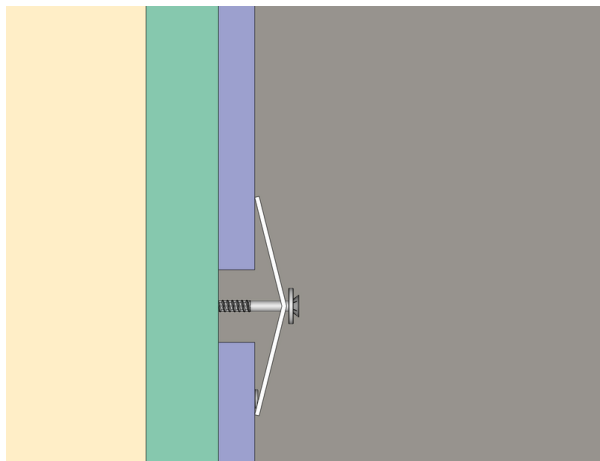


#### **SCREW-IN OPTION**

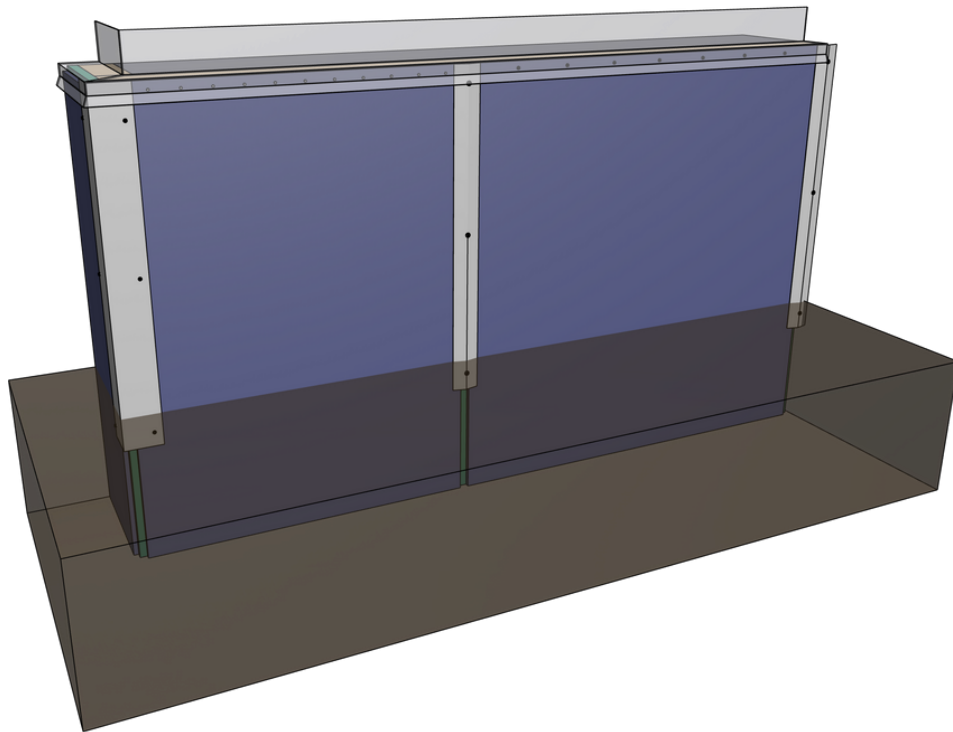
Use a drill, pre-drill 1/2" holes in the HDPE panel every 6" and insert 3" screws with washers to fasten to the sole plate.



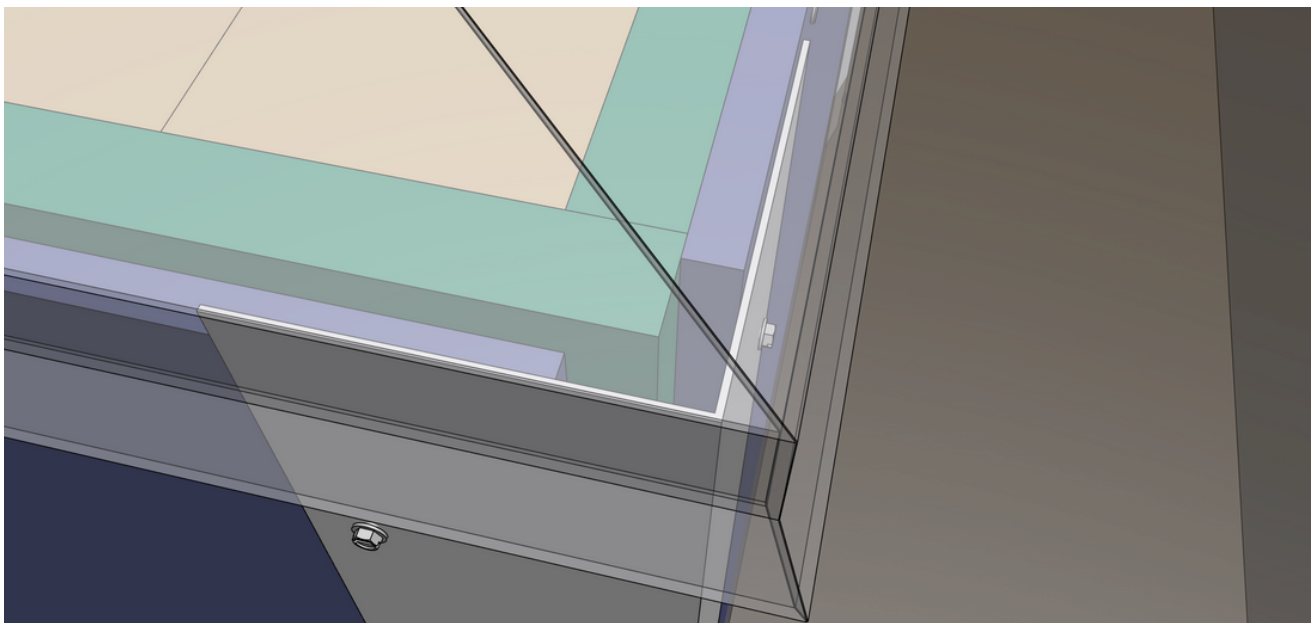
6- At the corners and between each panel, fix the appropriate steel trim (see point 3). In the pre-drilled holes, fix the trim to the concrete with Tapcon screws. The length of the screw should be determined by the thickness of the insulation, but your screw should be inserted into the concrete at least 2" deep. Refer to the table above to determine the required spacing between your sheets. \*\*\*Caution! Do not fasten the panels on the sides, as the pressure of the trim holds them in place and allows them to expand.



7- For the bottom of the panel, do not screw, simply bury. Plan to do the landscape soon after installation to prevent rodents from getting in.



8- Finish the corners by fixing the corner trim directly into the concrete through the pre-drilled holes. If you need to fasten through the panel, because you're using a 4" corner, pre-drill 1/2" holes in the HDPE panel.



9- Refer to the building code for the flashing that will finish the top of your installation.