



archoncad
by
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How To Create Hatches

Archoncad

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I have been operating since 1996 with the aim of providing CAD support to the Construction Industry. The main part of our business is now the training and support of VectorWorks. Before I ran a training and support company in England, mainly for MiniCad and MicroStation.

I am the author of several VectorWorks manuals. For more information about these manuals please refer to <http://www.archoncad.co.nz>

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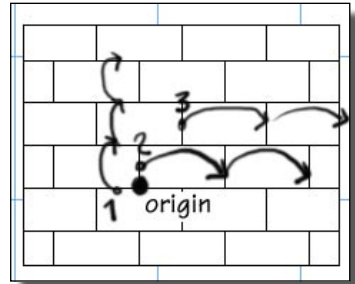
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11.3 Creating Hatches

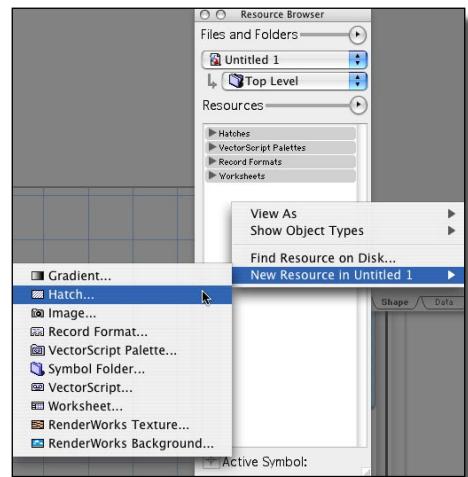
To create a new hatch pattern, first decide what the hatch should look like.

For this example we will make a tile hatch 600x300, stretcher bond. We have to look for lines that repeat, and often I will sketch out the hatch pattern so that I can work out where the lines repeat.



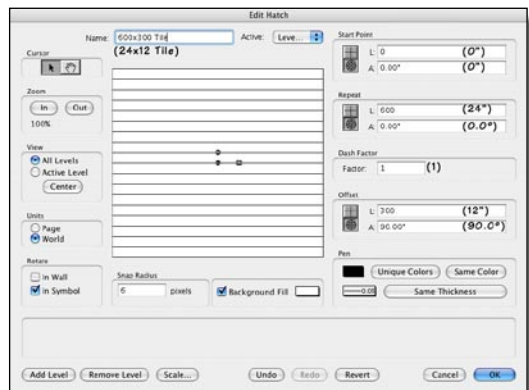
If you look at the figure to the left you will see that I have worked out that we need 3 lines, or 3 layers to use the naming conventions that VectorWorks uses.

- To create a new hatch open the Resource Browser.
- Right mouse click in an empty area of the Resource Browser, choose Resource Browser
- Now you see the Edit Hatch Dialog.



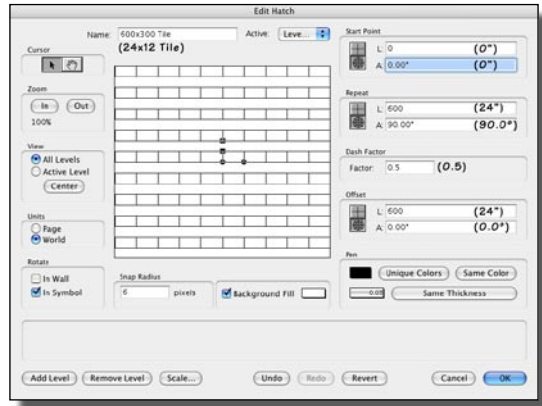
Step 1

- Name the hatch 600x300 tile.
- Change the Units to World Units.
- Set the Start point to be 0,0.
- Set the repeat to be 600mm @ 0°.
- Set the Offset to be 300mm @ 90°



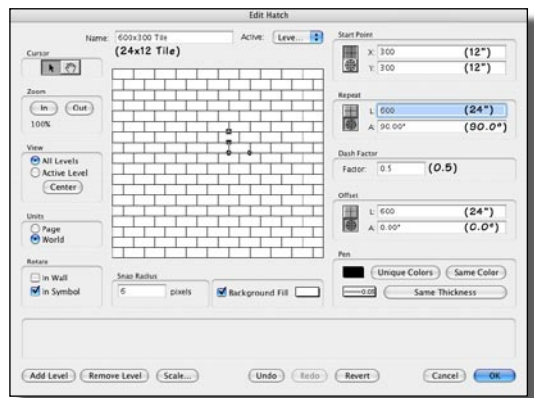
Step 2 - Creating The First Tile Course

- Click on the Add Level button on the Edit Hatch dialog. When it creates the new line (level) it's at the wrong angle. VectorWorks will not let you have both the offset and the repeat at 0° so change the offset angle to 45 and then you can change the repeat angle to 0°.
- Set the start point to 0,0
- Set the repeat to be 600mm @ 90°
- Set the dash factor to 0.5. We will end up with a repeating line 300 long that skips a tile course of 300mm.
- Set the Offset to be 600mm @ 0°



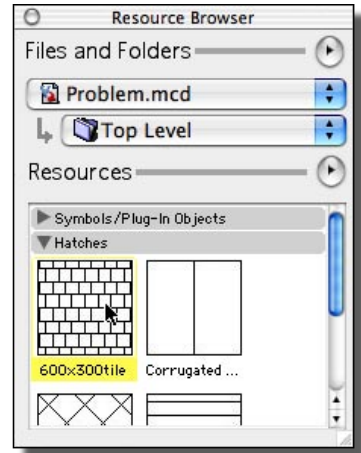
Step 3 Creating The Second Tile Course

- Click on the New Level button on the Edit Hatch dialog. It should repeat the first tile course.
- Set the start point to 300,300.
- When you are happy click on the OK button. You are finished, nearly...



Finishing

- This hatch is in your current file and should be imported back in to the library file so that you don't have to remember where you left it.
- You can find the hatch in the Resource Browser.



This technique has been taken from the VectorWorks Essential Manual. For more information on training manuals, you can contact the me:

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