



Display Area Building Blocks

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updated 5. 4. 2024 | published 5. 4. 2024

Summary

Building blocks that you or your kids can use to create all sorts of terrains for displaying figures.

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These are building blocks that you or your kids can use to create all sorts of terrains. There are millions of combinations and each person can create something new.

You can create a diorama to display all sorts of figures. Kinder Surprise Figures, My Little Pony or the **low poly Pokemon** that we've made. No gluing is needed but if you are going to be placing figures on it you might want to use blue tack (adhesive putty) to hold them in place.

The texture on the surface of the terrain tiles is made by printing only the pattern in the first layer and then filling the surface in the next layer.

The grid has the shape of the terrain pieces so you know easily how to place them on it. The shape of the tiles was chosen to go well with a low poly style that blends gradually from surface to surface. The look changes when viewed from different angles.

The download contains STL files and also 3MF files for Prusa Printers that have slicer settings adjusted the way we recommend printing. All parts are placed on the print bed as we would print them to save you time.

The terrain textures are:

Grass

Water

Lava

Rocky

City

Desert – A and B create sand dunes together by making an ABAB pattern

Blank - can be used as still water or printed any color as a basic terrain tile without a texture that's easier to print

Feel free to post some makes. We would love to see what you create :-)

You can watch a video made of the project [here](#)

And read more detailed instructions on how to work with the project [here](#)

SIZE

At 100% scale the models will fit on a 165 mm printer bed. The new smaller version is only 4x3 tiles so it will fit a Prusa Mini.

3D PRINTING SETTINGS

Slicer settings are important to print the texture on the terrain tiles correctly and can save you a lot of print time.

These are the settings that we recommend for the terrain tiles:

Layer Height 0.2 mm

No Supports

Perimeters (minimum): 1

Switch to Advanced Mode

Extrusion Width Changes:

For lava and hills on some printers: First Layer: 0.5

Perimeters: 0.48 mm

External Perimeters: 0.48 mm

Bridge Flow Ratio: 1

For the other parts like the tree, rocks and grass you can use what settings you like. For the grass, we recommend setting retractions on only for

crossing perimeters.

If you'd like some pokemon to go with this model, you can have a look at the [1st Generation](#) and [2nd generation](#) collections that we've made :)





Do you like the model and don't have a 3D printer? There are lots of people who offer 3D printing services these days. Try searching for someone who offers them in your area.


You can sell 3D prints of this model if you link to us on the page where you sell them but you cannot sell the digital files.


This model was brought to life by Filip from 3Demon. We are a group of modeling and 3d printing enthusiasts based in Prague, Czech Republic. We've been making 3D printable models for more than a decade. We make a lot of cosplay accessories but we also make all sorts of interesting 3D models. You can join our community or just look at more of our creations [here](#)


Model files


 **3MF Terrains 3Demon** 46 files

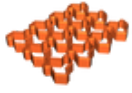
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**blank_mk2s.3mf**

**snow_mk2s.3mf**

**desert_a_mk2s.3mf**

**higher_hills_mk2s.3mf**



lower_hills_mk2s.3mf



city_mk2s.3mf



desert_b_mk2s.3mf



water_mk2s.3mf



lava_mk2s.3mf



grass_mk2s.3mf



blank_mini.3mf



rocky_mini.3mf



water_mini.3mf



snow_mini.3mf



lava_mini.3mf



tree_blank_mini.3mf



desert_a_mini.3mf



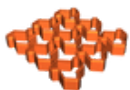
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grass_mini.3mf



tree_grass_mini.3mf



lower_hills_mini.3mf



higher_hills_mini.3mf



city_mini.3mf



higher_hills_mk3s.3mf



blank_mk3s.3mf



water_mk3s.3mf



lava_mk3s.3mf



desert_a_mk3s.3mf



desert_b_mk3s.3mf



city_mk3s.3mf



grass_mk3s.3mf



lower_hills_mk3s.3mf



rocky_mk3s.3mf



snow_mk3s.3mf



desert_a_mk3.3mf



desert_b_mk3.3mf



snow_mk3.3mf



lower_hills_mk3.3mf



blank_mk3.3mf



water_mk3.3mf



lava_mk3.3mf



grass_mk3.3mf



rocky_mk3.3mf



higher_hills_mk3.3mf

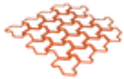


city_mk3.3mf



STL Low-poly Display Area 3Demon

29 files



grid_normal_5x4.stl



grid_mini_4x3.stl



higher_hill.stl



lower_hill.stl



tree_trunk.stl



tree_crown.stl



tree_terrain_blank.stl



tree_terrain_grass.stl



grass_4.stl



grass_6.stl



grass_5.stl



grass_1.stl



grass_2.stl



grass_3.stl



rock_1.stl



rock_3.stl



rock_2.stl



rock_5.stl



rock_4.stl



rock_6.stl



grass.stl



water.stl



blank.stl



city.stl



desert_a.stl



snow.stl



rocky.stl



desert_b.stl



lava.stl

Other files

print-readme.txt

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