The files in this folder can be used to create the tabletop frame of Tilescape. It is build up in layers of 6mm wood, with shapes created through laser cutting. Exception to this is the hexagon_grid_6mm shape, which is laser cut from 6mm aluminum.

For construction, the figure on the right shows the assembly as layers. In the folder, five files are available that include all shapes to lasercut from wood in three formats (.dxf, .ai and .pdf). Each also has a dedicated pdf with annotation of which layer the shape belongs to. A minimum bed level of 1000x600 mm is required. The figure on the right can be used to further build the frame.

After all shapes are cut, layer_1, layer_2, layer_3 and layer_4 are glued together. Circles are included in the lasercut shapes to help alignment. Afterwards, paint the bottom side of the glued frame black and the sides white. Paint the hexagon_grid_6mm black. Paint layer_5 completely white. We recommend pre-drilling the holes for nuts before painting these pieces (see next paragraph) to ensure a flat topside. We recommend a matte paint finish.

After painting, place the hexagon_grid_6mm in the glued frame. Place the shapes from layer_5 ontop. Use 4mm nuts and bolts to further assemble the complete frame.

layer_5

layer_4

hexagon_grid_6mm (aluminum)

layer_3

layer_2

layer_1