

# GeckoTek Build Plate User Guide

GeckoTek Build Plates are the next generation of build surfaces for Fused Filament 3D Printers. The scientifically formulated coatings provide a maximum level of adhesion to your printed parts to help prevent peeling, while still allowing easy part removal. If used properly your build plate will last you 100's of prints.

## Step1: Attach the Build Plate

The best way to attach the Build Plate to your printer is with a GeckoTek Magnetic Base. Installation instructions for each Magnetic Base can be found on its corresponding product page at [geckotek3d.com](http://geckotek3d.com)

If you do not have a magnetic base then your Build Plate can be held down with binder clips or tape. **Be sure to re-level your printers build platform with the Build Plate in place.** Running the extruder into the build plate will damage it.

## Step 2: Best Printing Practices

Using GeckoTek Build Plates requires a different mindset then printing on Glue or Tape. For instance, **there is no need to 'squish' the first layer into the build platform.** When using a GeckoTek Build Plate, it is more reliable with an accurate first layer thickness. We recommend that you start with a slightly higher z home position than you normally print at and then move the extruder down as needed.

The vast majority of parts will not require a raft or brim to print properly. The removal process is also easy printing directly on the Build Plates.

RT Build Plates		
	Extruder	Bed
PLA	210	-
Flexible	200-230	-
Wood/Brick	230	-

HT Build Plates		
	Extruder	Bed
ABS	230	110
PLA	200	50
PETT/PETG	230	100

NY Build Plates		
	Extrdr	Bed
Taulman 645	245	80
Taulman Bridge	245	80

## Step 3: Part Removal

When the print is complete, let everything cool down and remove the plate. Gently flex it to aid in part removal. **Do not over flex the build plate or it will bend and never sit flat again.** The best strategy is to use your finger tips to lightly bend the plate back a forth a few times. Then rotate the plate 90 degrees and flex it back and forth again. The part should come off easily. If needed, the tip of a blade can be used to pick the part off.

## Re-use, Maintenance and Care

There is little needed to keep your Build Plate working in top shape. Every 10-12 prints it helps to lightly wipe down the surface with a soft cloth. For the RT plate water is best. HT & NY plates benefit from isopropyl alcohol.