

Power Socket Shelf

Woodcrestdragon

VIEW IN BROWSER

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Summary

Replaces the frame of an EU power Socket to add a generatively designed Shelf holder.

Household > Bathroom

Tags: shelf plug socket wallmount power bathroom regal steckdose

I wanted another shelf in my bathroom, but the command strips I bought to glue my printed shelf to the tile didn't withstand the weight and humidity.

So I took to my power socket and remodeled the frame surrounding them, using that as a mounting mechanism.

The Frame is designed to hold a version of @TorusKnot 's “Voronoi Shower Shelf”.
I scaled the “box” down to 88% to have it fit on my printer and cut the basket at z=3.45mm to get a flat shelf. I then added some holes for my hairbrush and razor to sit vertically.

The attachment structure was generatively designed in Fusion360 and is (at least in the ideal simulation) able to withstand 40N (~4kg or ~9lbs). It's got space for the handles and leaves access to the power plug.

I printed mine with a lot of perimeters and support, oriented upside down. It took ~17h.

Hope it's useful for someone!

Model files



powersocketshelf.stl



torusknot_as_shelf_with_holes.stl

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