

Other Solar Cookers for Sierra Leone 2013



At Solar Clutch we strive to be indigenous in our efforts so we designed our cookers for Sierra Leone to utilize local flat ceiling board material from the building material shops. We used inner tube for the flexible hinge between each section and aluminum foil glued to the front of each panel. The cooker folded up somewhat awkwardly but nevertheless it compressed to a flat surface for storage



Cutting out hardboard and inner tube to make cookers



Another type of box cooker was one made out of plywood with a door in the back. The glass was not hinged on the surface but only the reflective mirror. The door in the back fit snugly in place and sealed with inner tube. We did use silicone caulk and later found it to be available locally at a reasonable price. The cost factor seems to be a large deterrent here in making a quality cooker but unfortunately quality is necessary for longevity.



This plywood box cooker with insulated inner box prove to be a good cooker. We installed it on a table with wheels to make it more mobile and manageable.

