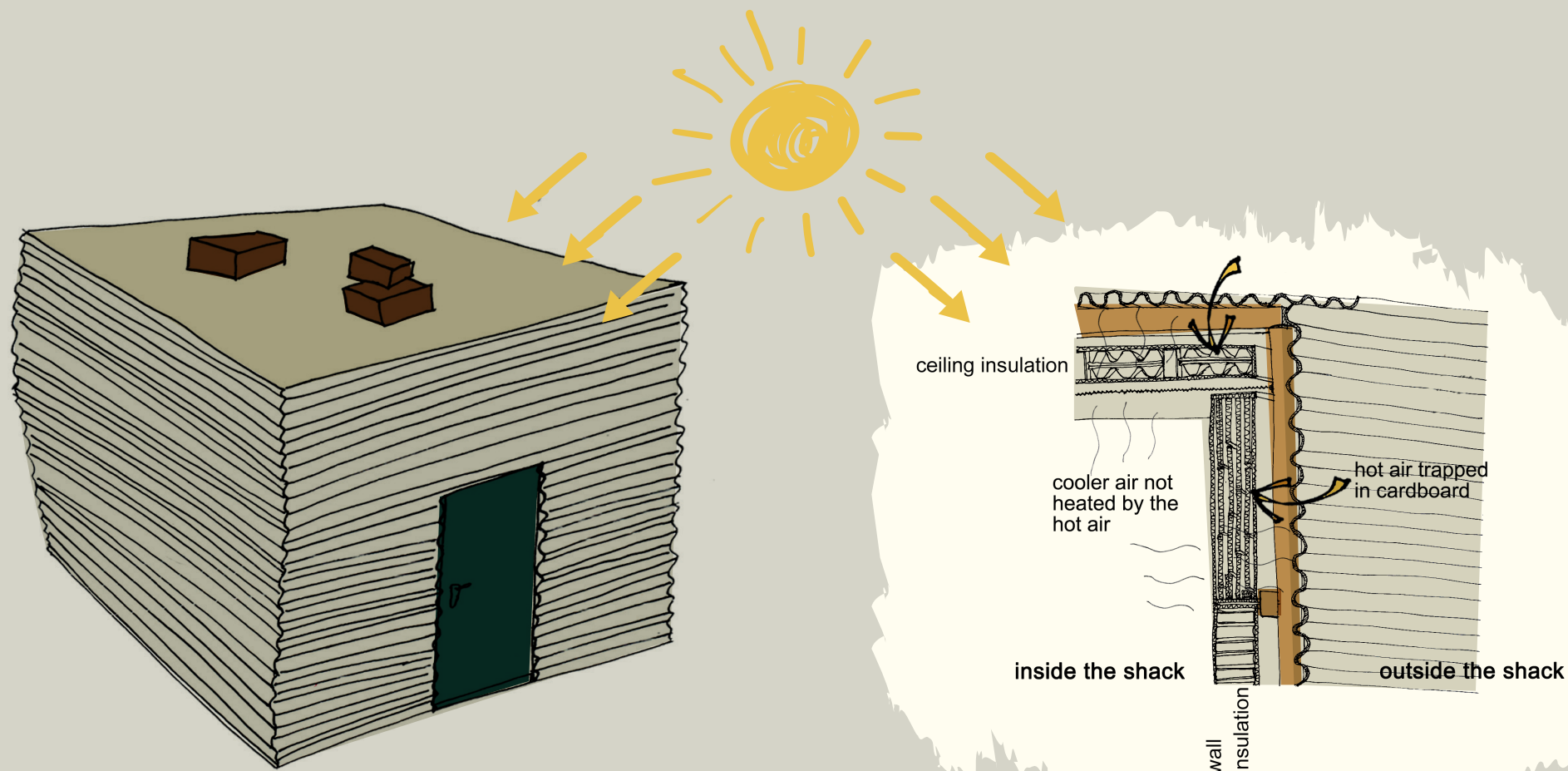
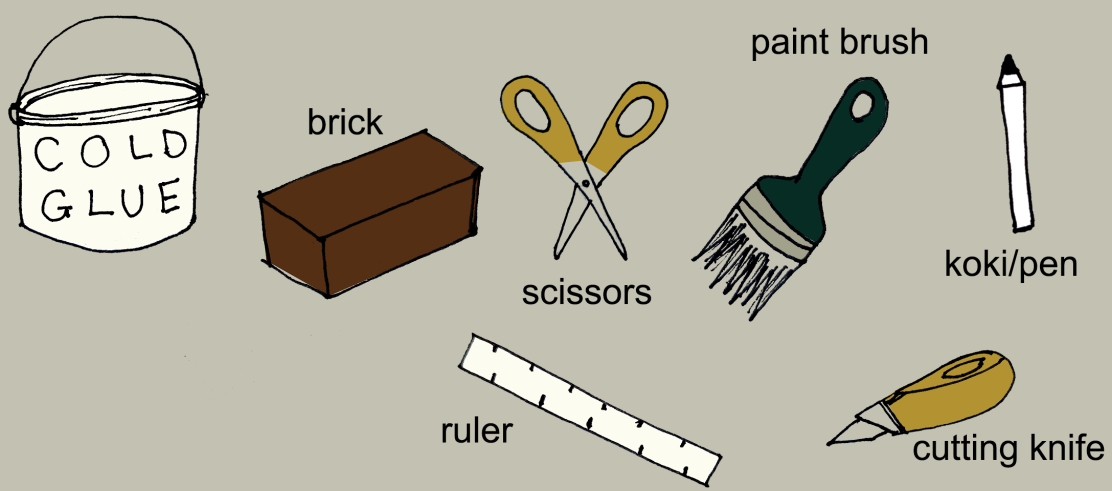


# Shack Insulation

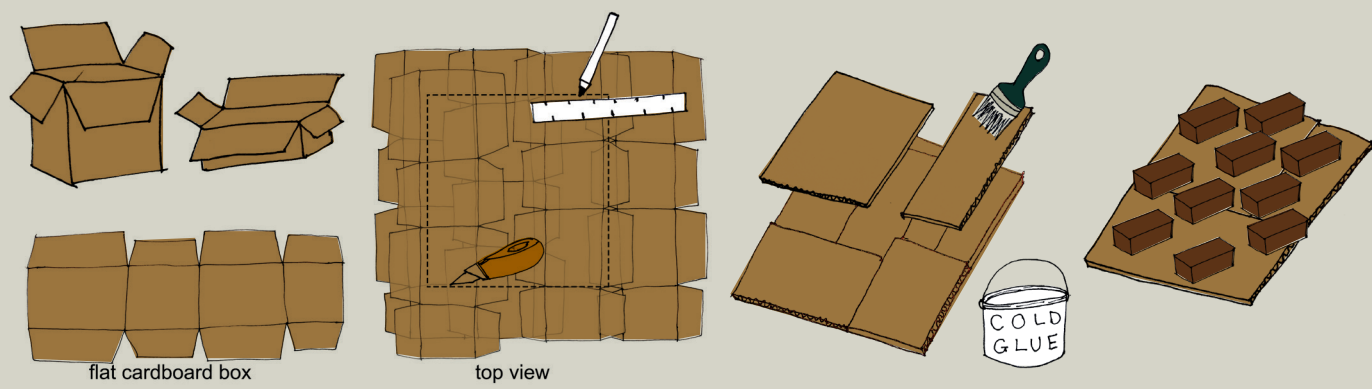
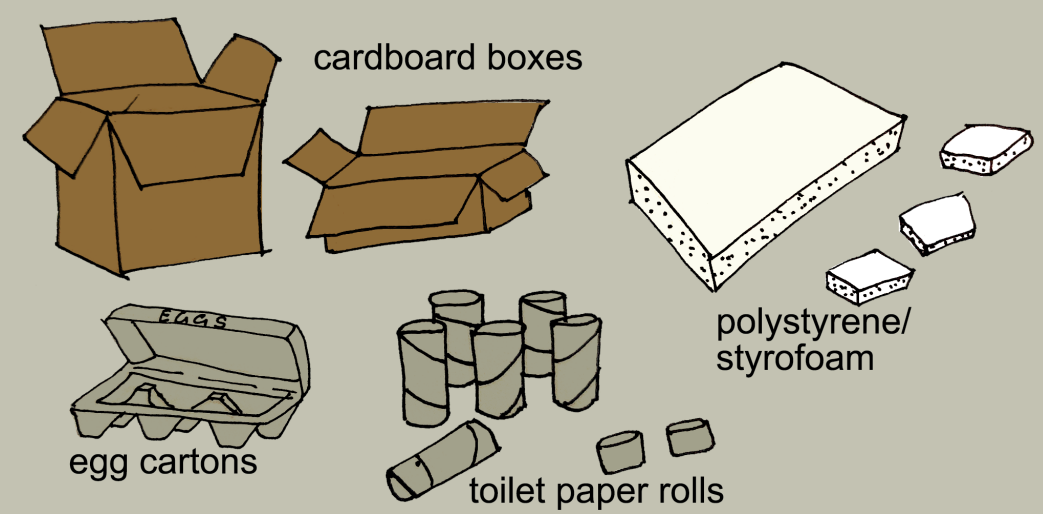


Shacks made of corrugated sheet metal get very hot inside in summer. The insulation panels made from cardboard trap the hot air inside them and so help cool the inside of the shack. In winter, they help keep the shack warm.

## Tools Needed

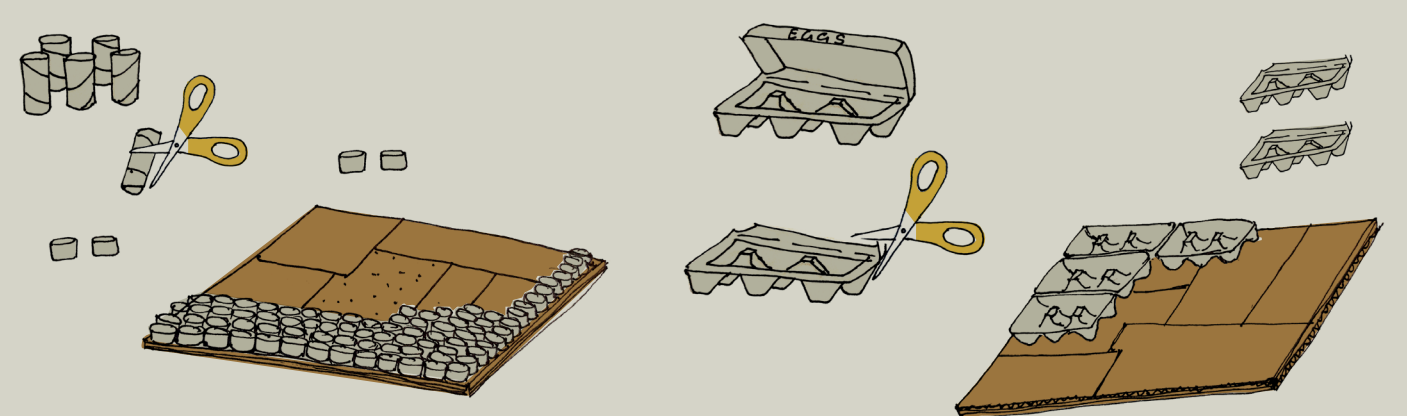


## Materials Required



### Step 1: Make the side sheets

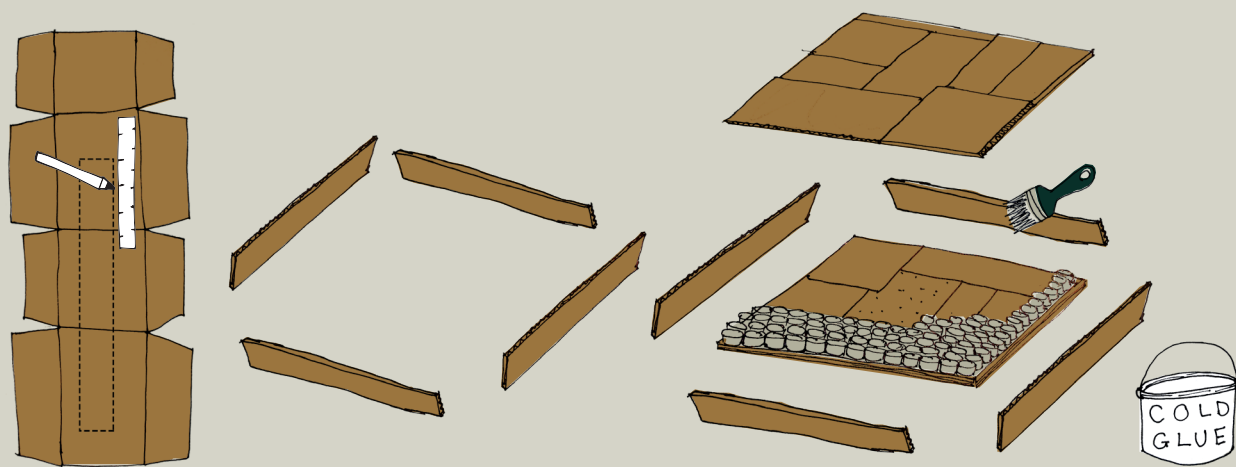
Each insulation panel needs two sheets of 1.2 metres by 1.2 metres, 2 cm thick. Flatten cardboard boxes and measure a sheet of 1.2 m by 1.2 m. Layer the cardboard until you have a combined thickness of 2 cm for each sheet. Cut out. Glue together. Place a brick or something heavy on top and leave to dry.



### Step 2: Fill the panel

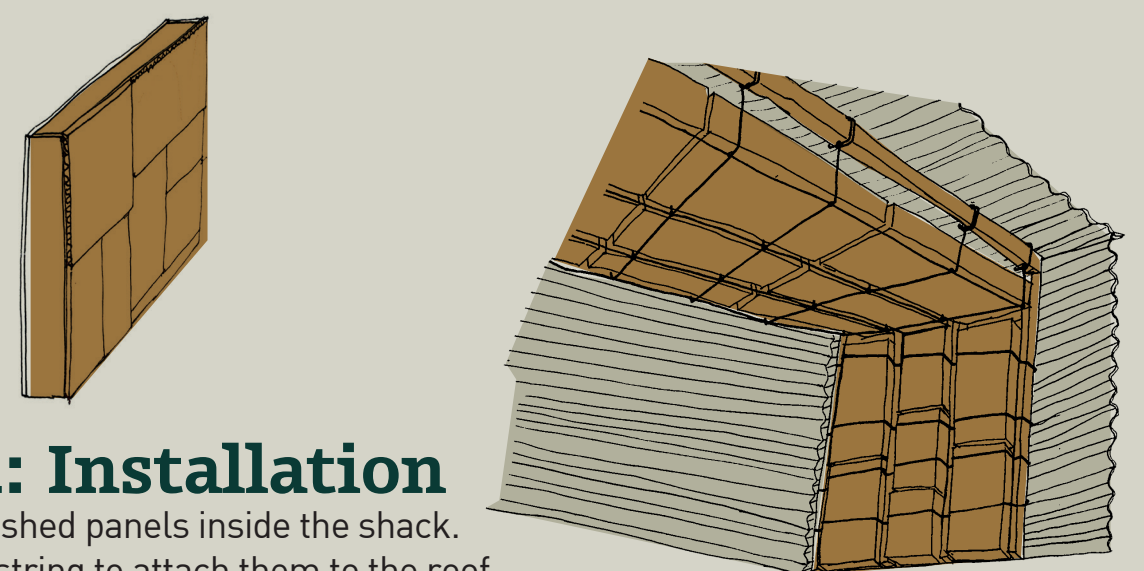
**Option 1:** Toilet paper rolls  
Cut the cardboard centre of a toilet paper roll in the middle. Apply glue to the sheet and stick down. Rolls must be close to each other.

**Option 2:** Egg cartons  
Cut the top section off the egg carton. Apply glue to the sheet and stick down next to each other.



### Step 3: Close the panel

Cut 4 strips of cardboard which fit the thickness and the length of the panel and glue them onto the sides.



### Step 4: Installation

Install the finished panels inside the shack. Use wires or string to attach them to the roof and west and south facing walls.