



Push Block Wall: Insulation Experiment

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Collection of Materials

- Cardboard: Collected from Higginsons Furniture and Moscow Furniture Center
- Foam: Collected from Higginsons Furniture, in both loose panels and extracted from couch cushions
- Packaging bubbles: Collected from trash at WSU dorms and from Carpenter Hall
- Glue: Already owned
- Tape: Already owned and bought from Walmart
- Fabric: Collected from Higginsons Furniture



Construction

Obtain materials

Cut foam to 1'x1' square, repeat for opposite side

Cut cardboard into 1'x1' squares, repeat for opposite side

Glue foam onto cardboard

Repeat to have two pieces of foam on two cardboard squares

Glue plastic packaging bubbles in a square onto one foam square

Glue foam square onto bubble square

Wrap tape around to firmly secure

Glue fabric onto one side of cardboard square unit

Repeat 31 more times

Cut strips of cardboard 8'x8" with notches at 12" intervals

Repeat 4 more times

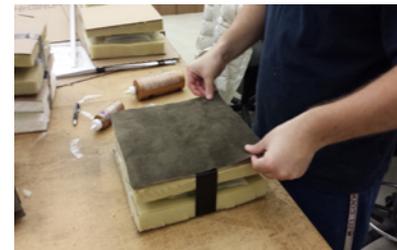
Cut strips of cardboard 4.5'x8" with notches at 12" intervals

Repeat 8 more times

Place shorter strips into longer strips to create grid

Insert cardboard cubes into grid

Approximate Build Time: 10 hours



Cost of Construction

Cardboard: From trash: no cost

Foam: From trash: no cost

Packaging Bubbles: From trash: no cost

Fabric: From trash: no cost

Glue: Already owned: did not buy so no cost

Tape: Bought from Walmart:

Cost of 20 yard (60 feet) roll:	\$3
Cost per foot:	5 Cents
Feet of tape used:	Approximately 48 feet
Cost of tape used:	\$2.40

