

MAKING UBUNTU-BLOX (RECYCLED BUILDING BLOCKS)



UBUNTU INFO PART 2

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Ubuntu is an African word with a rich meaning that encompasses cooperation, humanity, and group solidarity for survival in situations with scarce resources. It is a good name for a self-help technology that can turn a problem into a resource.

Inventor and welder Harvey Lacey of Dallas, Texas envisioned the press and system to build with trash in response to the housing crisis after the Haitian earthquakes. Owen Geiger designed the press and wall reinforcement. Harvey has been hard at work refining and promoting and teaching ever since.

Check out the latest developments at the Ubuntu-Blox Project on Facebook, <http://recycledplasticblockhouses.com/ubuntu-blox/>, watch a 4 minute video about Ubuntu-blox in Haiti at http://www.youtube.com/watch?feature=player_detailpage&v=uVE5k05Aix8 More files in this series available at the recycled plastic page at www.simplestructures.net or contact Harvey at ubuntublox@gmail.com

See other files in the Ubuntu Block Info series also available online soon to learn more about building with Ubuntu blocks.

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UBUNTU-BLOX



MAKING UBUNTU BLOX



YOUR UBUNTU BLOX

CREDITS

EQUIPMENT FOR UBUNTU-BLOX



Make a press



11 GAUGE SQUARE
STEEL TUBING
2x2 INCH / 5x5 cm

STEEL PLATE
HALF x 8 INCHES /
1x20 cm

Weld or bolt



WITH CHANNELS FOR
BALING WIRE



Add a strong screw

SCAFFOLDING SCREW JACKS OR
AN ACME SCREW

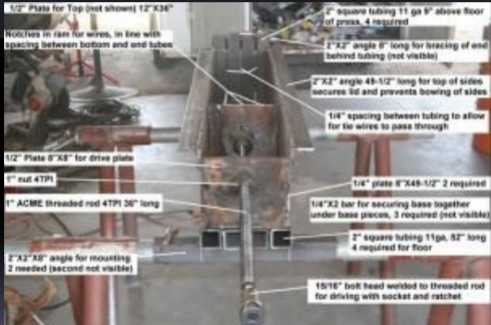


And a wheel



CAR STEERING WHEEL OR
CUSTOM-MADE





Make the right tools

§ A JIG FOR
MAKING
LOOPS IN
THE BALING
WIRE WILL
SAVE A LOT
OF TIME



MAKE UBUNTU-BLOX



Gather supplies

GET TRASH AND CLEAN IN A CHLORINE DIP



Break up stiff packing foam

BY HAND OR USE A
MECHANICAL CHOPPER



Cut wire and loop 1 end



**LONG ENOUGH
FOR THE
FINISHED
BLOCK**

Lay wires in grooves of press



Put clean trash in bags

MESH BAGS ARE EASIEST TO PLASTER
SOME PLASTICS SHOULD BE SHREDDED



Load recyclable trash without a bag

§ BUT THIS
BLOCK MAY
BE WORTH
\$5



5 bags for each block



Close the door (IF IT HAS ONE)



Turn the wheel to compress

§ IT DOES NOT
TAKE A LOT
OF STRENGTH



Twist baling wire through the loops



YOUR UBUNTU-BLOX



Weigh 2- 5 lb./ 1- 2.5 kg

FOR 8x8x16 INCH/ 20x20x40 cm BLOCKS



Easiest to build with neat blocks



Different kinds of blocks

RECYCLABLE BLOCKS VERY
STRONG
BUT NOT INSULATING



FOAM AND FILM BLOCKS
HIGHLY INSULATING AND STRONG
ENOUGH FOR 1 STORY WALLS



Mesh makes plastering easy

BUNCHED GARBAGE OR
RICE BAGS WILL NOT
HOLD PLASTER WELL

ADD CHEAP MESH TUBING TO
BLOCK TO HOLD PLASTER
OR COVER WALL WITH MESH



BUILD THE ECONOMY AS WELL AS HOMES

AVAILABLE MATERIALS, EASY TO LEARN



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