

## DRYWALL INSTALLATION – STANDARD MATERIALS & TOOLS

### Materials needed for drywall installation

- Drywall panels
- Drywall compound (Mud)
- Paper or fiberglass drywall joint tape
- Drywall shims
- Metal or paper-faced corner bead
- Drywall screws- 1 1/4"
- Drywall sanding screen (open grit sandpaper)
- Corner bead
- Drywall nails - 1 1/4" or 1 3/8"

### Tools needed for drywall installation

- First Aid kit
- Utility knife
- Drywall saw
- Tin snips
- 6"/5" and 10" joint finishing knives
- Corner trowels – inside & outside
- Bread pan for compound
- Drywall lift or T-jack (for ceilings)
- 4' Drywall T-square
- Electric screw guns/Drills
- Screwdriver
- Phillips bits
- Dumpster/solid waste receptacle
- Nail aprons
- Drywall screw "dimpler" attachment
- Measuring tape
- Rasp
- Sandpaper
- Utility wet/dry vacuum cleaner
- Pole Sander
- Safety glasses
- Hammers
- Marking pencils
- Dust masks
- Ladders
- Scaffolding if > 8' high walls)
- Chalk lines

### If there is no electricity on site, add:

- Generator and gas can
- Fire extinguisher
- Lighting
- Power Strips/extension cords

### How to Calculate Materials needed:

You can determine how much material you'll need by figuring out the square footage of your room (Length times width) plus 10% (15% if you have inexperienced installers). So if you have 350 square foot room add 35 feet to account for waste. Divide this total by 32 to use 4' x 8' pieces of drywall and round up to determine the number of sheets you will need. To calculate how many supplies you'll need purchase for every 1,000 square feet of coverage, you will need: 370 feet of joint tape, 140 pounds of compound, 700 screws (or nails). (Source: <http://www.doityourself.com/stry/drywall-supplies-needed-from-start-to-finish#b#ixzz37eI6kMYW>)

## RE-SHINGLING ROOFS– STANDARD MATERIALS & TOOLS

### Materials needed for roofing installation:

- Coil/Strip nails to fit types of nail guns used, nail length to meet local code
- Utility knife blades
- Roofing staples
- Roofing felt
- Roofing compound ( “blackjack” in caulk gun tubes is easiest)
- Shingles
- Drip edge
- Flashing
- Roofing nails (bulk)
- Vent pipe boots

### If damaged wood will be replaced:

- Roof sheeting to match thickness of existing roofing material (to code)
- Construction adhesive (in caulk gun tubes)(if needed to meet code)
- 8d and 10d nails (or to local code)
- Roofing clips at sheeting thickness
- “Hurricane clips” (if needed to code)

### Tools needed for roofing removal & installation:

- First Aid kit
- Roofing spades (to remove shingles)
- Push brooms
- Large tarps
- Hammers
- Utility knives w/blades
- Tape measures
- Manual or power staplers
- Chalk line
- Air compressor(s)
- Compressed air nail guns & Hoses
- Dumpster/solid waste receptacles
- Pencils/markers
- Tin Snips
- Ladders
- Safety glasses
- Safety steps (rooftop toe holds)
- Nail aprons
- Work gloves
- Knee pads
- Caulk gun

### If damaged wood will be replaced:

- Circular saws w/blades
- Extension cords
- Square/roofing square

### IF NO ELECTRICITY ON SITE, ADD:

- Generator and gas can
- Fire extinguisher

## PAINTING – STANDARD MATERIALS & TOOLS

### Materials needed for painting:

- Paint
- Roller covers
- Painter's tape
- Spackling compound

### Tools needed for painting:

- First Aid kit
- Safety glasses
- Rollers
- Brushes – 2", 4" flat & 2" angled
- Hammers
- Sandpaper
- Screwdrivers – flat and Phillips
- Paint scrapers
- Clean water source
- Paint can opener
- Paint can pour spouts
- Ladders & step stools
- Paint trays
- Rags
- Putty knives
- Drop cloths (cloth or resin paper, not plastic, which slips)

Material and Tool lists provided by **Mark Novak** (leansixsigmaguy@gmail.com), as described in the book "**Lean Six Sigma for Good: Lessons from the Gemba (Volume 1)**" which can be found at [LeanSixSigmaforGood.com](http://LeanSixSigmaforGood.com)