

Ace Hardwood

Mesquite Flooring Installation

Concrete Sub-floor Nail Down

- a. Moisture test concrete sub-floor (Phenolphthalein Indicator).
- b. Float floor flat to 1/4" in an 8' radius.
- c. Install 3/4" CDX Plywood with gaps 1/4" at butt edges of plywood, 1/2" at walls over 6 mil black plastic.
- d. Install 15 lb. felt rolled over sub-floor butt edges (Do not overlap).
- e. Nail flooring over felt, leaving 1/16" washer run parallel with grain as needed per wood choice. Leave 1/2" expansion gap at walls. Use Powernailer Model #45C for 3/4" wood or #50C 1/2" or a stapler designed for 3/4" or 1/2" tongue and grooved floors.
- f. Sand using coarse 40 grit, medium 60 grit, fine 100 grit screen sand and vibrate edges 100 grit or 120 grit is fine. Apply filler (Wood Kote Wood Flour with floor sawdust) to fill cracks after 1st sanding.
- g. Seal floor with floor stain such as Dura Seal or Polo Plaz (National Coatings). These floor stains are self-sealing and will not reactivate.
- h. For wax finishes:
 - 1) Apply 2 coats stain, steel wool between all coats.
 - 2) Apply wax.
- i. For polyurethane finishes:
 - 1) 1 coat stain/ sealer 2 coats oil based polyurethane. Screen between coats of polyurethane.
 - 2) Water based polyurethane - 1 coat stain/sealer 4 coats of finish. Screen between coats of finish.

Concrete Sub-floor Glue Down

- a. Moisture test concrete sub-floor (Phenolphthalein Indicator).
- b. Float floor flat to 1/4" inch in an 8 foot radius
- c. Using a (1/4"x1/4" trowel for un-finished wood or size recommended by manufacturer for Pre-finished wood) notched trowel spread adhesive over a 2 foot by 2 foot area. Install planks in adhesive and continue process until entire area is installed.
- d. Roll floor with 50 lb. To 80 lb. roller to make sure adhesive makes good contact with flooring. Do not allow traffic for a minimum of 8 hours on floor or as recommended by Manufacturer of adhesive.
- e. Let adhesive set up overnight before starting sanding process (if unfinished).
- f. Sand with 40 grit paper to flatten.
- g. Apply filler (Wood Kote Wood Flour mixed with Mesquite sawdust) to fill cracks.
- h. Sand with 60 grit to flatten filler, finish with 100 grit.
- i. Apply Finish as above in nail down instructions.

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Mesquite Flooring Installation Supplies



POWERNAILER MODEL #50C WITH HAMMER

USES 1- $\frac{1}{4}$ " POWERCLEATS

\$150.00

CHEMREX CONCRETE FLOOR PRIMER

WATERBORNE EPOXY PRIMER AND COATING

FAST DRYING / PROMOTES ADHESION

REDUCES MOISTURE VAPOR TRANSMISSION

350-400 SQ. FT. COVERAGE PER GALLON

3 GALLON PAIL \$ 107.99



CHEMREX 941 FLOORING ADHESIVE

$\frac{1}{4}$ " X $\frac{1}{4}$ " SQUARE NOTCH TROWEL

35-50 SQ. FT. COVERAGE PER GALLON

2 GALLON PAIL \$42.99

5 GALLON PAIL \$93.99