

CONSTRUCTION STAGES

Mold Remediation

Purpose: To kill mold caused by flooding, ensure no new mold grows, increase quality of life and health for the homeowner, and general cleaning

Timeline: 3 Days

Supplies:

Perm. Markers	Goggles	Gloves (work & vinyl)	Paint Trays/Rollers	Brooms/Dust Pans
Respirators	Filters	Trash Bags	Wire Cutters	Duct Tape
Shockwave	Wire Brushes	Shop Towels	Kilz	Ladders (4', 8', 10')
Staplers	5gal Bucket	Paint Trays	Demo Tools	Hammers
Util. Blades	Clorox Wipes			

Steps:

1. Remove nails and staples from the face of every top plate, base plate, stud, and ceiling/floor joists. Drive any protruding nails into wooden sub-floor.
2. All exposed surfaces of the framing need to be scrubbed with a wire brush. Brush up and down, side to side, circularly and diagonally.
 - a. Once surface is scrubbed, mark an "X" on the stud, indicating a fully scrubbed surface.
 - b. While scrubbing, have some volunteers fold shop towels into sixths.
3. Treat the scrubbed wood with Shockwave. Shockwave will come in a soda bottle spray painted green. Mix one bottle of Shockwave with one 5gal bucket of water.
 - a. Dip a batch of shop towels in the shockwave solution and store them in a paint tray. Wipe down all the wood marked with an "X". Once a face of the shop towel is dirty, flip it to a different face. Do not double dip used towels into Shockwave solution.
 - b. When the stud is wiped down on all sides, circle the "X", and allow the material to dry overnight.
4. Once everything is treated with the Shockwave and allowed time to dry, paint every surface with a thick coat of the Kilz primer.
5. Fog the house.
 - a. Seal the house.
 - (1) Fill all the gaps in the walls with Great Stuff.
 - (2) Use staples and duct tape to secure clear plastic drop cloth over windows and any openings that allow air passage to the exterior of the house (such as soffit vents).
 - b. Mix shockwave solution. Add one bottle of Shockwave with one 5gal bucket of water.
 - c. Put on Tyvek suit, booties, gloves, and mask. Use duct tape or Tyvek tape to tape your booties and gloves to the Tyvek suit.
 - d. Go inside, close the door, and spray every surface with the solution.
6. Post-remediation testing can be done by certified mold testing/analysis firms for a fee. In some municipalities a mold certificate is required prior to closing the walls, so check with your local office of safety and permits.
7. Remember, it is not possible to remove ALL indoor fungal spores and fragments, but prompt remediation of mold-damaged surfaces and infrastructure should be PRIMARY response to mold growth. The NY State Department of Health recommends using the simplest, most expedient remediation technique that properly and safely removes mold growth from buildings.¹ The above procedure has proven effective in New Orleans recovery since Katrina.

¹ "Guidelines on Assessment and Reduction of Fungi In Indoor Environments". New York City Department of Health and Mental Hygiene. November 2008.