Bathroom Remodel in 7 Days

99 steps ▯ Checklist ▯ Get organized 😊



Day 1

- [ ] Demo Preparation

  Prepare your home for dust!

  Most bathroom demo debris can easily fit in the back of a pick up truck or even easier is to rent a dump trailer

  ▯Find a Transfer station near you to get rid of construction debris

  Helpful tools and materials:

  Drop clothes

  Ram board (hardwood)

  Carpet Guard

  Plastic

  Zip walls

  12 pack safety glasses

  Respirator

  Brute garbage can

  Garbage bags

  Review goals of the day video

- [ ] #1Turn off water to home before starting Demo

  Always turn off water before removing any valves or disconnecting plumbing.

Be sure to shut off water to home

- [ ] #2 Remove Toilet

  Helpful Materials:

  Liquilock (additive to solidify water in bowl)

  Temporary plug

  Helpful Tools:

  Cordless grinder (to cut off rusty bolts)

  Grinder cut off wheels

  Channel locks

  Review video on toilet removal

- [ ] #3 Remove vanity top, disconnect plumbing, & remove old shut off valves

  Most vanity tops are siliconed in place, so it may take a little prying to remove

  Be sure to remove and replace those old shut off valves

  Have some end caps on hand so you can get the water back on to home

  Helpful Materials & Tools:

  Channel locks

  3/8" caps

  for stub outs or

  sharkbite caps

  for copper

  Teflon tape

  Pipe sealant

  Sawzall

  to cut plumbing

  Impact driver

  Review video on vanity removal

- [ ] #4 Remove Vanity

  This should be a breeze

  Simply find the screws fastening into place and remove

  Impact driver

  Review video on Vanity removal

- [ ] #5 Cap water supplies

  Be sure to check to see the type of connections you have for your valves

  If you have copper - sharkbite caps work great

  If you have 3/8" stub-outs - using galvanized caps are good

Helpful tools & materials

Channel locks

3/8" caps

for stub outs or

sharkbite caps

for copper

Deburring tool / Depth gauge for sharkbites

Sharkbite removal tool

Teflon tape

Pipe sealant

Review video on capping water supplies

- [ ] #6 Remove shower faucet trim

Some shower faucet trim can get pretty corroded and stuck. So don't be afraid to cut off with a grinder or sawzall

Helpful tools:

Cordless grinder (to cut off rusty bolts)

Grinder cut off wheels

autocut

sawzall

heavy metal blade

Hilti impact drill kit

Review video on faucet trim removal

- [ ] #7 Remove tub drain

Not all tub drains will come out easily.....And sometimes they don't at all.

You may need to cut the tail piece off with a sawzall through the access door of your tub.

tub wrench

Pipe wrench

sawzall

heavy metal blade

Review video on tub drain removal

- [ ] #8 Cut and cap water supplies for faucet

Cut these and you can get the water back on in your home!

Helpful tools & materials

autocut

Channel locks

sharkbite caps

Deburring tool / Depth gauge for sharkbites

Sharkbite removal tool

Teflon tape

Pipe sealant

Cordless grinder

Grinder cut off wheels

- [ ] #9 Remove Tub Surround

This can differ wildly with difficulty of removal.

Cement board or Hardibacker can be tough to remove with tile.

I suggest cutting out edges with sawzall and trying to pry out large pieces with a pry bar

Helpful tools:

sawzall

9 inch Ax sawzall blades

oscillating tool

Long pry bar

gloves

safety glasses

respirator

Review video on removing tub surround

- [ ] #10 Remove Tub

Removing a steel tub isn't so bad.....

For caste iron, I recommend using a sledge hammer to demo out

Sledge Hammer

Review video on removing tub

Review video on removing a cast iron tub

- [ ] #11 Disconnect & remove light fixtures

Turn off power lighting from switch, or turn off breaker to bathroom

Helpful tools & other items for this project:

electrical tester

temporary light fixture

Wire nuts

Gloves

safety glasses

respirator

Review video on disconnecting light fixtures

- [ ] #12 Remove all drywall or plaster

This isn't a very fun part of the project....but will ultimately save you time on installation of tub, tile and other items

If you have wall paper, I highly recommend removing and starting with a clean slate!

Helpful tools:

sawzall

9 inch Ax sawzall blades

oscillating tool

Long pry bar

gloves

respirator

12 pack safety glasses

Brute garbage can

Garbage bags

Review video on removing drywall

Review video on removing plaster

- [ ] #13 Add temporary light fixture

If you don't have a window....this is important

I recommend buying a simple temporary light

Review video on adding a temporary light

- [ ] #14 Remove Drywall Ceiling

This is even worse than removing the walls!

If you have blown in insulation, this will be a blast....

Helpful tools:

sawzall

9 inch Ax sawzall blades

oscillating tool

Long pry bar

gloves

respirator

12 pack safety glasses

Brute garbage can

Garbage bags

Review video on removing drywall

Review video on removing plaster

- [ ] #15 Remove existing vent fan

Turn power off at switch

Disconnect and remove existing fan

Much easier now that you have the drywall ceiling out

Helpful tools:

Linesmans (cutters)

Pry bar

Electrical tester

Review video on removing a vent fan

- [ ] #16 Install new vent fan

My favorite vent fan of all time is the Panasonic Whisperfit fans. They have adjustable speeds of motor for efficiency 50 cam-110cfm

Rule of thumb is 1 cfm per linear sqft of space

Example: 50 sqft room would require a 50 cfm fan

If you don't have an existing duct, you'll have to determine how you will vent outside

Review video and course details

Other helpful tools & materials:

Panasonic Whisperfit

roof vent

dryer style vent

soffit vent

4" corrugated pipe

4" duct

insulated sleeve

for standard 4" pipe

insulated 4" flex duct

Y fitting

5" wormdrive clamps

foil tape

spray foam

roll of plastic strapping

4 1/4" hole saw

or get a

full hole saw kit

5/16" driver bit

for wormdrive clampsPush-in plastic

Romex connectors

White silicone

to seal around dryer vent

Hilti impact driver/drill kit

Timer switch

Review video on installing a vent fan

Review video on install a vent fan in existing ceiling

- [ ] #17 Run wire for recessed light above shower

I always recommend separating fan from light fixture.

Rough-in a wire for a Halo 4" light is pretty simple

Helpful tools and materials:

Halo 4" lights

14/2 wire

Spade bits

for drilling through framing

Linesmans

Milwaukee drill set

Review video on running a wire for recessed light

- [ ] #18 Hang Drywall ceiling

 Hanging Drywall by Yourself

Remodeling a bathroom by yourself does have its challenges. Hanging drywall on a ceiling is one of them.

Here are some helpful tools to remember to have on hand:

Drywall Board Mate

Dimple drywall bits

Drywall knife

Rotozip

Rotozip drywall bits

Drywall glue

1 5/8" drywall screws

And if you want have tall ceilings or having a rough time handling it yourself, you can always rent a drywall lift

Review video on hanging drywall on a ceiling

- [ ] #19 Remove Floor

There's usually nothing fun about tearing up an old floor, but it a very important step for a good tile installation. I always recommend getting down to the original subfloor

Helpful tools:

Floor scraper

Large pry bar

Grinder blade

for stubborn glue or thinset

Grinder strip disks

Milwaukee grinder

Review video on removing linoleum flooring or tile

Day 2

- [ ] #20 Remove existing trap

  Drain Prep

  Existing plumbing drains and configurations can wildly differ in construction from one home to another. This is an area that can take some time to reconfigure and gather the right materials to use, and sometimes its tough to speculate what's needed till you remove existing tub and uncover what's available.

  Here's a list of what I would buy to have on hand:

  1 1/2" PVC Solvent weld P-trap

  For attaching to 1 1/2" copper I recommend using

  1 1/4" - 1 1/2" fernco

  , or

  copper-PVC no hub fitting

  (many areas require this)

  1 1/2" adapter

  (to connect drain assembly) male

  1 1/2" adapter

  (to connect assembly) female

  45 street elbow

  45 elbow

  22.5 street elbow

  22.5 elbow

  90 elbow

  PVC primer and Glue

  Helpful tools:

  Heavy metal sawzall blade

  Milwaukee sawzall kit

  Makita cordless circular saw

  Torpedo level

  5/16" driver bit

  (connecting ferncos)

  Review video on removing trap

- [ ] #21 Dryfit tub and Mark drain location

  If you need new sub flooring under tub to match up with outside floor, you'll need to mark the drain location and cut out a section of plywood to allow drain assembly to attach to main plumbing

  This is a good time to review the manufacture instructions of the tub installation. Here's an example of specs required for cutting of subfloor for an american standard tub

  American Standard Studio tub installation instructions

I highly recommend build.com for purchasing plumbing supplies & fixtures

Review video on marking location

- [ ] #22 Attach Fernco to existing plumbing

It'll be much easier to adapt to existing plumbing before setting new subfloor (or patching area needed to get to existing plumbing)

Here are the adapters I recommend for attaching to 1 1/2" copper:

1 1/4" - 1 1/2" fernco

, or

copper-PVC no hub fitting

(many areas require this)

Review Adapter installation video

- [ ] #23 Install new subfloor

A lot of times I under a tub needs to be replaced or an added layer is needed

After adapting to your existing plumbing, you can install the appropriate sized plywood into place

Here are some helpful tools:

Paslode nail gunMakita cordless circular saw8d nails

Review Subflooring installation video

- [ ] #24 Install tub drain

For Drain assemblies, I would always refer to the manufacture's recommendations. A lot of these tubs have specific drain assemblies associated with each tub. Be sure to pay attention to what is required or what's included

Here are a few models of tub drain assemblies that I often use for standard sized tubs (60" wide)

Everbuilt drain assembly

Cable driven drain assemblies

Glued drain assembly

Helpful Tools and Materials:

Ridgid tubular cutter

Ridgid tub drain wrench

Water clear silicone

newborn caulking gun

Channel locks

Review video on installation of drain assembly

- [ ] Tubs I like and recommend

Over the years I have installed many different types of tubs. Some I love, some I hate 😆

Here are my recommendations for tubs that I love (not really in a specific order of best to worst)

Jacuzzi Linea - An acrylic tub that is well constructed. Easy to clean, comes in various sizes. Great warrantyDeep soaker

Jacuzzi Signature - An acrylic tub that is well constructed. Easy to clean, comes in various sizes. Great warrantyDeep soaker

American standard studio - Acrylic, heavy construction, easy to clean, great warrantyDeep soakerAlso available with a

American Standard Americast - Heavy construction, easy to clean, durable, great warranty, standard 15" height

Kohler Caste Iron Tub

- Super durable, very heavy, well constructedStandard height **Only Kohler tub** I recommend these days; I've seen way too many poorly constructed acrylic tubs from Kohler☹

- [ ] #25 Install tub drain assembly

So much easier to install before the tub is set in place!

Helpful Tools and Materials:

Ridgid tubular cutter

Ridgid tub drain wrench

Water clear silicone

newborn caulking gun

Channel locks

Review video on installation of drain assembly

- [ ] #26 Dry fit tub and set ledger board

Not all tubs require a ledger board, but for the above video demonstration with theAmerican Standard Princeton (above floor rough-in) a ledger board required.When setting tub with a ledger board, always dry fit it to make sure the flange rests nicely on top all the way across ledger board. Sometimes the bottom of flange has a rough fiberglass surface that isn't always consistent. It may take a couple times of dry-fitting to adjust the ledger board in correct positionUse silicone on top of ledger when securing tub, this will give an extra bond and ensure the tub is secure.

Helpful tools and materials:

fender washers galvanized screw siliconeBucket Mud Mixer Milwaukee mud mixerHilti Drill kit

Review video on setting ledger board

- [ ] #27 Dry fit tub again 😊

It always takes setting tub more than once to ensure a good installation

Double check how tub is resting on ledger board and move if needed

Review tub installation video

- [ ] #28 Set P-trap arm

It's easiest to set the P-trap arm in place before securing tub in place.

Sure beats cramming yourself into the access area to connect!

Here are helpful tools and links to plumbing parts:

Here's a list of what I would buy to have on hand:

1 1/2" PVC Solvent weld P-trap

For attaching to 1 1/2" copper I recommend using

1 1/4" - 1 1/2" fernco

, or

copper-PVC no hub fitting

(many areas require this)

1 1/2" adapter

(to connect drain assembly) male

1 1/2" adapter

(to connect assembly) female

45 street elbow

45 elbow

22.5 street elbow

22.5 elbow

90 elbow

PVC primer and Glue

Helpful tools:

Heavy metal sawzall blade

Milwaukee sawzall kit

Makita cordless circular saw

Torpedo level

5/16" driver bit (connecting ferncos)

Review tub installation video

- [ ] #29 Set & secure tub in place

There are 3 primary ways most manufactures want their tubs installed

#1 Mortar bed installation

I highly recommend this way if the manufacture recommends it. Always refer to the manufacture's specifications

#2 Setting & securing tub with adhesive

#3 Not adhesive or mortar; simply screw in place

Review video on American standard Americast installation

Review video on tub installation with mortar (this is on platform I am no longer apart of, but wanted to share since it is a common way of installing tubs, please leave a comment to Jeff telling him I sent you there and that he should pay me for my work there)

- [ ] #30 Attach Trap to Drain assembly

Attaching Trap is easy now that you have the trap arm set and drain assembly on tub.

Simply glue in place

I recommend having both types of trap adapters on hand incase you need more room.

1 1/2" adapter Male

1 1/2" adapter Female

Review tub installation video

- [ ] #31 Adapt copper supplies to Pex

In my experience, converting copper to PEX is the fastest and easiest ways to install a shower faucet.

If you have an an access to back of tub, its best to adapt at the access point and install shut off valves

Having access can also give you the ability to not have to solder and use shark bite fitting. Keep in mind that some areas in the country don't allow this per plumbing code

But it is a fast and simple way to attach shut off valves and convert to pex

Sharkbite 1/2" shut off valves

Sharkbite debur/depth gauge

Sharkbite removal tool

The other alternative is to sweat on adapters

Here is a list of tools & materials:

Pex B (Red)

Pex B (Blue)

Pro crimp rings

90 degree elbows

Male adapters

Drop Ear Elbow (shower port)

Pex adapters to copper

Shut off valves (pex)

Teflon tape

Pipe sealant

Type L copper

90 copper elbow

Male copper adapter

Copper stub out

Sharkbite hose adapter

Ridgid Tubing Cutters

Pipe sander kit.

Sanding cloth

Map gas torch

Auto cut tool

Flux

Flux brush

Solder

Flame guard

Ridgid 1/2" crimpers

Alternative crimper Sharkbite

No-Go Go gauge

Sharkbite hose adapter

Review video installation of shower valve

- [ ] #32 Install rough-in shower valve

Choose a rough-in valve that will make things easiest for yourself. I love Delta tub/shower faucets

In this tutorial I used a standard Delta Universal Valve

If you want to make things even easier, I'd recommend getting a Delta valve with Pex adapters

And if you really want to simplify the install, get a Delta Valve with the Tub stub out included with pex adapters

If you do not have access to water supplies (no access panel or shut off valves), then getting the versions with the integral shut offs is best

Delta **R10000-PFT-PXWS**

Review video tutorial on delta tub/shower faucet

- [ ] Tub/shower faucets I recommend

  Here is a list of my favorite tub/shower faucets:

  Delta Ashlyn

  Moen 90- degree collection

  Hansgrohe

  Kohler Bancroft

  Pay attention to rough-in valves:

  Make it easy on yourself to install

  Example: Delta rough-in with pex & tub spout installed

- [ ] #33 Fill Tub and Test

  Be sure to fully test your tub and check for any leaks on the tub/shower faucet installation

  Some helpful items:

  Sharkbite hose adapter

  Test plug - shower port

- [ ] #34 Move sink drain (if applicable)

  If the adapter for your sink drain is soldered in, not in good condition, or needs to be moved, then this is the time to replace and adjust the sink drain to location needed

  Refer to the cabinet you are going to install and adjust height of trap adapter to fit.

  Most of the time 19" off subfloor works for open door cabinets, but can vary with vanities with shelving

  Helpful tools and materials:

  Heavy metal sawzall blade Milwaukee sawzall kit Makita cordless circular saw Torpedo level Mission couplings 1/14" x 1 1/2" Fernco

  Review video on moving a sink drain

- [ ] #35 GFI outlet

  Most of the time, you need a dedicated circuit to your breaker box. Things may have been fine and working for decades.....but to be safe a new line is best.

  I recommend getting using bigger outlet boxes for GFI outlets

  This will make it easier to install them 20 cubic inch boxes

  Helpful tools & materials:

  12/2 20 amp wire 20 cubic inch boxes Nail plates Spade bits Linesman stripping pliers Klien electrical tester Ideal Wire

nutsKlein screw driver setelectrical tape Hilti drill kitHeadlamp

Review video tutorial on GFI

Day 3

- [ ] #36 Framing, blocking, shimming

Framing, blocking & preparing for drywall

Fur out walls so that backer boards can slide over tub flange

Framing at edge of tub for anchoring support of drywall and backer board transition (also great for support for anchors of shower doors)

Be sure studs are inline with one another; This will ensure a flat installation of backer board and make for an easier tile installationAnything with a difference of a 1/4" or more should be addressedYou can shim, plane or sister studs to accomplish this

Plane down a higher stud with electric planer

Protect plumbing and electrical with

nail plates

Other helpful tools and materials:

Heavy metal sawzall blade

Milwaukee sawzall kit

Axe sawzall blades

Paslode nail gun

Makita cordless circular saw

Torpedo level

6ft level

4ft level

Review video tutorial on framing, blocking & shimming

- [ ] #37 Blocking for Accessories

Adding blocking for locations of accessories will make it much easier to install and be sure things stay in place!

Helpful tools and materials:

Heavy metal sawzall blade

Milwaukee sawzall kit

Axe sawzall blades

Paslode nail gun

8d nails

16d nails

Makita cordless circular saw

Torpedo level

6ft level

4ft level

Review video tutorial on framing, blocking & shimming

- [ ] #38 Hanging Drywall

Hang drywall in rest of bathroom

Hanging drywall by yourself can be a challenge!

Here are a few tips that will make it easier for you

Always hang the ceiling first, then hang a full sheet at top of wall

This give makes for an easier finishing process. The edges of drywall have tapered edges that allow you to fill and tape, which helps to eliminate excess build up and more work to feather out the seams

Dimple bits

are an affordable way to prevent screws from penetrating through drywall paper layer

A

Drywall gun

is the next best thing. This will allow you to quickly fasten boards while struggling to hold up boards 😆

A

Drywall Roller lift

will help get the bottom board set tight to top sheets

One of the greatest tools for cutting around drywall boxes and other items is a

RotoZip

Drywall hanging is a rough carpentry project. Don't be stressed about minor imperfections, gaps or missed screw holes. The finishing process will take care of these imperfections

Helpful tools for hanging drywall:

Dimple bits

Drywall gun

collated magazine

Drywall Roller lift

RotoZip

drywall bits

Review video on drywall hanging

- [ ] #39 1st coat drywall

Drywall Finishing 1st coat

Finishing drywall is something that takes patience and time to get a good result. Know that there is no rushing this step, but you do need to know when to walk away...😆 Remember sanding easy-sand drywall mud is exactly that, you can always address things with another coat and fix any mistakes

The first coat I would say is the easiest and allows you to practice

Allows mix the mud before starting.(drywall mixing paddle works best) A cup of water will get a nice consistency

When applying drywall mud, take a half a trowel 6" knife

and apply to corners

Most important part of 1st coat is to have the paper tape fully embedded in drywall mud

Scrape and embed in corner starting with the ceiling first

For straight seams, be sure to fully embed tape with mud. Its better to have too much mud than not enough!

For screw holes, I recommend using a slide method with trowel; skimming over a series of screws in one motion

You can always fix mistakes! 😊

Always clean mud around bucket to prevent mud from hardening and falling in mud

Helpful tools and materials:

Plus 3 drywall mud

Paper tape

Dewalt drywall knife kit with pan

Mixing paddle

Review video tutorial on 1st Coat

- [ ] #40 Tile Layout

This is the time to start thinking about your tile layout, especially if you plan to install a recessed niche

I like to simply mark out the tile on studs to determine an approximate height of each tile.

The obvious goal is to eliminate a sliver at any location (niche, ceiling, tub, etc)

Planning the border height is helpful too.

Be sure to review video tutorial on layout and niche placement

- [ ] #41 Frame niche

Framing Niche

Before framing a recessed niche evaluate these key points:What height shelf height is needed for the products stored? (shampoo, etc.)

2. Is the wall load bearing? If so you may need a header to carry load

If floor joists sit like this on a wall, then its load bearing

3. If its not load bearing, you can simply frame to the custom size desired

4. Avoid setting a niche in an exterior wall. Its best to have at least an R-13 value of insulation behind wall and most exterior walls are 3 1/2" - 5 1/2" thick which would **NOT** provide enough room for insulation

5. Determine height of bottom and top of niche with the layout of tile. Typically setting the bottom and/or top with a grout joint works great. This way you prevent slivers around the niche

6. Remember that you can always build up the bottom or top of niche during the tiling process. So by making the niche bigger than what you may need is a safe bet

Helpful tools:

Laser

Laser pole

Makita cordless saw

Paslode framing nailer

Review framing a niche video tutorial

- [ ] #42 Waterproof Backerboard for Tub Surround

Waterproof Backer Board Installation

After this stage, you will feel like the bathroom is back to a functional room!

And it technically is a functional bathroom at this point. Tthere's no reason you couldn't use the tub and shower after

setting these waterproof panels. Simply install the cartridge for shower faucet and add the shower head, and you'd be good to go

But hopefully things worked out thus far and you can keep pushing forward

Go Board is without a doubt on of my go-to backer boards for a tiled shower or tub surround.

There are many great things about it:

Its light and easy to cut (no dust, utility knife is all you need!)Already waterproof (outside surface is a waterproof membrane)Easy to waterproof seams and screw penetrations (sealant application is really simple)It's affordable! Probably one of the most cost effective boards. Roughly $25 a sheet (contractor pricing)

Here's what's needed for a standard tub surround:

6 sheets of 3' x 5' sheets (if your building a custom niche) Here's a

7 board kit

10 tubes of sealant

go board screws

Schluter valve seal

Schluter pipe seal(tub spout)

Schluter pipe seal(shower head port)

Corner trowel

4" putty knife

Overcoming the tub flange

There are 3 main ways to overcome a tub flange. Sometimes a combination of ways is needed dependent on your bathroom configuration:

1.The first way is by shimming out the studs (you probably already did this if you followed my advice inprevious video

2. The second way is to rest the backer board on top of the tub flange and fill the gap

3. Notch backer board to allow it to slide over tub flange (Below is a WEDI backer board)

There are a few rules to follow when installing GO Board

Apply sealant to tub deck (1/4" caulk joint) before setting board in place

Caulk in between each panel (corners and walls)

Caulk all corners and apply more sealant to maintain a 1" overlap on each side of corner Corner Trowel)

Apply additional sealant over all seams and screw penetrations (1" overlap)

Bring waterproofing along side of tub (recommending 2")

Custom niches - Apply sealant at all intersections and maintain overlap 1" on all panels

Pitch bottom sill and apply sealant to all corners, seams, screws

Schluter Valve Seal

Cut a 4 1/2" hole; easiest with a

4 1/2" hole saw

Pipe seals

3/4" for shower port

1/2" for tub spout

Use Schluter Kerdi band for transition between drywall and Go board

Other helpful tools & materials:

Acetone(to clean your hands!)

rubber gloves

Oscillation tool

Spade bits

Kerdi trowel (for thinset and kerdi fix application)

Schluter All-set thinset (applying kerdi band for drywall seam)

Review video tutorial on installing GO Board

- [ ] #43 Valve & Pipe seals

For extra insurance, installing valve and pipe seals will provide protection

Most tub spouts do not have a seal on them, by using a pipe seal will ensure no water gets behind backboard

Schluter Valve Seal

4 1/2" hole saw hole size for valve seal

Pipe seals

3/4" for shower port

1/2" for tub spout

Review video tutorial on waterproofing a tub surround

Day 4

- [ ] #44 Set Schluter Ditra for floor

 Setting Schluter Ditra

Most important part of a Ditra or Membrane installation is having the thinset mixed wet enough for the fleece to adhere well.

Almost all the issues that I have seen over the years is from the thinset being too thick and no adhesion to fleece of a membrane or Ditra Mat

Schluter Ditra Kerdi Band

For half bag mixing I recommend using a scale to accurately measure

I highly recommend using Schluter All-set Thinset for setting membranes. It has a superior bond and extends warranty with Schluter

Be sure to use the

proper size trowel for Ditra

For Kerdi Membranes use a Kerdi Trowel

Mixing Schluter All-set for membranes

7.5 - 8.5 quarts of water per bagMix for 5 minutesSlack (let sit for 10 minutes)Mix for 2 more minutes (do not add water)Rule of thumb - make sure thin-set can hold trowel ridges when spreading it

Setting Ditra:

Burn thinset into substrate with back side of trowel

2. Directionally trowel thin-set using a Ditra Trowel

3. Embed Ditra Mat with Float

4. Always check coverage

5. Use Kerdi Band to waterproof all seams - Using a Kerdi Trowel

6. At tub transition apply Kerdi fix to tub

7. Apply Thin-set to Ditra mat with Kerdi trowel

8. Embed Kerdi Band and wrap up tub slightly - oozing kerdi fix is a good sign 😊

9. For extra waterproofing insurance, embed Kerdi band around all corners of bathroom

10. Tiling floor can immediately be done after installation

Other helpful tools:

Collomix mixer

Ardex sponges

scale

Measuring bucket

Find a Schluter Dealer

Review video tutorial on setting Schluter Ditra

- [ ] #45 Waterproof against tub

Schluter is very specific with the way they want things to be done.

To waterproof against tub you need the following:

Kerdi fix

Kerdi Trowel

Kerdi Band

Find a Schluter Dealer

Review the video tutorial

- [ ] #46 Waterproofing floor

Since you most likely have the materials....I would recommend going the extra step and flashing all corners of room with the Kerdi Band and go over main seam of ditra to make is 100% waterproof

Kerdi Trowel

Kerdi Band

Review the video tutorial

- [ ] #47 Tile Layout

✏ Tile Layout ✏

This is always one of the most time consuming and confusing parts of tiling. But if you implement a strategy that gives you the flexibility to adjust things as you set tile, the less frustrating this will all be.

Here are some key strategy points to consider and implement:

Start the back wall of a shower or tub surround This will hide the corner grout joints from the most common viewpoint of shower

Start out with less than a full tile on first row This way you can overcome any unevenness, or un-level areas of shower or tubIt will also allow the tile to be cut nicely around edge of tub

Mark tile layout on wall to reference a general layoutKeep in mind that spacers will most likely expand the overall height

Determine shower border heightMost shower rods for tubs are set between 58"-62"

Keep in mind you can always expand a border to provide height needed to prevent a sliver at ceiling Most mosaics come on 12" sheets and can easily be expanded from a 3" border to a 4" borderBe sure to account for additional sheets to have the flexibility to do this

Helpful tools:

1/16" horseshoe tile spacers

Montolit grinder STL blade (diamond cutter wheel)

Montolit CGX grinder blade (great for porcelain)

Cordless grinder(Milwaukee)

Quick lock accessory for grinder

Makita paddle switch grinder(corded to attach to shop vac)

Fein Grinder Shroud(keeps dust down)

Fein Shop vac(with tool switch; turns on when using tool)

Montolit Mini Puima tile cutter(Great for subway and 6x6 tiles)

Montolit Masterpuima tile cutter(great for tile up to 25")

Dewalt Wet saw

Montolit DNA 10" blade(great for porcelain and ceramic)

Diamond hand pads

Collomix mixer(amazing mixer for thinset)

Laser

Laser pole

Rubber gloves

Respirator

Sanding sponges for drywall

White Scrubby pads

Be sure to review video tutorial on mixing thinset and tile layout

- [ ] #48 Determine trowel size

 Trowels

In order to have a solid and sound tile installation, you must have good thinset coverage on the tile your setting. The TCNA recommends 95% coverage on any installation in a wet area and 80% outside of that.

One any given bathroom remodel you will need multiple sized trowels. Here's a general list of the most commonly sized trowels needed in a basic remodel:

1/8" x 1/8" trowel(Kerdi Trowel) to apply membranes

3/16" x 3/16" trowel(Ditra Trowel) to apply uncoupling membranes

1/4" x 1/4" trowel(Tiles under 12" long; mosaics)

1/4" x 3/8" trowel(Schluter pans, Tiles over 12" long)

Euro Trowel(large format tile; great for 12" x 24" tiles or Plank tile)

1/2" x 1/2" Trowel (large format tiles, great for large floor tiles)

Always check coverage on tile and membranes. If the coverage is not good.....then move up to the next sized trowel

Other helpful tools:

Collomix Mixer

6 gallon Ardex buckets

Ardex sponges

scale(for measuring half bags)

Measuring bucket

Rubber gloves

Respirator

Be sure to review thinset mixing video tutorial

- [ ] My favorite thinsets

#1 Ardex X77 or X5

a. X77 is without a doubt the best thinset I've used to date. It has a super long pot-life and an amazing non-sag aspect to it. Great for small glass mosaics, intricate tile, and anything that requires precise detail.

b. X5 is my every day thinset. its half the cost of X77 and does a tremendous job for floor tile, large format tiles, subway tiles. It also has a great pot-life and is non-sag.

c. I highly recommend this thinset for beginners and tradesman that need more time with things. I never worry about going to lunch or taking my time with tiling with this stuff 😊

#2 Schluter All-set

a. I always have a bag of this in addition to the Ardex thinsets. It has a superior strength and bonding to Schluter Ditra and membranes.

b. If you use this on a Schluter shower system it will extend the warranty from 10 years to 15 years

c. Great for floors and large format tiles

#3 Laticrete 4XLT

a. Honestly, not much different than Schluter All-set. Same kind of consistency & pot-life

#4 Mapei thinsets

a. I included these because if you prefer to get your thinsets from big box stores, I would recommend getting the Mapei products verses Custom. These all pretty much perform the same.

b. Not overly great on pot-life (1 hour or so)

c. Not that great in the non-sag area either (for intricate penny tiles or other mosaics I would not recommend any of these)

d. Great for when you just need something convenient to grab 😊

Be sure to review video tutorial on thinsets

- [ ] #49 Check coverage

This goes in hand with trowel sizing. Be sure you are getting 95% coverage, and go up a trowel size if needed

- [ ] #50 Tile back wall of shower

😊 Tiling the back and side wall 😊

All tiling begins with planning and a good thinset mixture. Be sure to review my recommendations on thinset and tile

layout.

Here is a quick reference on mixing my favorite thinset - Ardex X5:

6-7 quarts water per bagI recommend 6.5 quarts for most installations

Mix for 2 minutes

Quick reference on trowels & coverage:

When choosing a trowel size for tile, always double check the coverage you are getting before committing to a trowel size. A

1/4" x 1/4" trowel

usually work great for tiles under 12" long I used a 1/4" x 1/4" trowel for this demonstration

Back buttering tiles will ensure better coverage too

Tools that make this process much easier!

horseshoe tile spacers

Laser

good grinder

diamond blade

Fein Shopvacand

Dust shroud

A manual tile cutter is a very helpful tool Most installations I only use a manual cutter and grinder

My favorite is

Montolit Masterpuima

The

Minipuima

is great for 6 x 6's and subway tile

Linoleum knife (scraper)

This is by far my most used tool when tilingGreat for scraping out joints and maneuvering tiles around

A wet saw is not always necessary, but very help for cutting intricate pieces such as shelving and L-cutsMy favorite is the

Dewalt Wet saw

White scrubby pads for clean upIt is always easier to remove thinset within 24 hours after settingIt is okay to clean-up before hand as long as thinset is firm and keeping tiles in place

Tile layout tips to remember

Start on back wall to hide the corner joints from main viewpoint

Start with less than a full tile on first rowThis will allow you to scribe cut and overcome any uneveness

Start from center when able and works for your layoutThis will provide even cuts on either side of wall

Maintain at least a 1/16" joint between tub and first rowThis provides a good silicone joint by allowing the silicone to go into joint

If you need to stop at any point for the day, always clean thinset on wall and against tilesI typically stop at the border height for the day; gives me time to set up mosaics on Kerdi Band

For removing stubborn thinset the next day or week use

Sulfamic Acid crystals

Helpful materials & tools:

1/4" x 1/4" trowel

Wood float

(embed ditra)

Grout float

Ditra

Ditra Trowel

Kerdi Band

Kerdi Trowel

Ardex sponges

Ardex X5 thinest

Schluter all-set thinset

Linoleum knife (scraper)

1/16" horseshoe tile spacers

Montolit grinder STL blade

(diamond cutter wheel)

Montolit CGX grinder blade

(cheaper option; great for porcelain)

Cordless grinder

(Milwaukee)

Quick lock accessory for grinder

Makita paddle switch grinder

(corded to attach to shop vac)

Fein Grinder Shroud

(keeps dust down)

Fein Shop vac

(with tool switch; turns on when using tool)

Montolit Mini Puima tile cutter

(Great for subway and 6x6 tiles)

Montolit Masterpuima tile cutter

(great for tile up to 25")

Dewalt Wet saw

Montolit DNA 10" blade

(great for porcelain and ceramic)

Diamond hand pads

Collomix mixer

(amazing mixer for thinset)

Laser

Laser pole

Rubber gloves

Respirator

Sanding sponges for drywall

White Scrubby pads

Sulfamic Acid crystals

(to remove stubborn thinset)

Review video tutorial on setting tile on back wall

- [ ] #51 Cut shelving

There are many options out there for shelving

If you pick up a threshold sill at box stores you can cut down to fit your custom niche

Here's a few options:

Marble

Gray marble

travertine

another marble option

Most of the time a wet saw is the only option to cut things down nicely

My favorite wet saw is

Dewalt Wet saw

Review video tutorial

- [ ] #52 Tile side wall

Continue your pattern from back wall

Review video tutorial on setting tile

  - [ ] Clean tiles

    If you clean up tile in the same day as setting, it'll be much easier!

    Here are a couple helpful tools:

    Ardex sponges

    Linoleum knife (scraper)

    Rubber gloves

    White Scrubby pads

- [ ] #53 2nd coat drywall

 Drywall Finishing 2nd Coat

Its best to lightly sand all areas and corners before applying second coat. This isn't a very serious sanding.....just making sure all the chunks are removed.

I use these

sanding blocks

with a 45 degree bevel on them. They can get into the corners nicely

It's also not a bad idea to remix your mud (I did not demonstrate or do this on this coat 😀)This will give a more creamy consistency before applying

I like to start with corners for second coatThis seems to work out better to do straight seams after cornersAnd ceiling top corner is easier (In my opinion)

After applying mud to one side of corners, Apply mud with a 10" on straight seams

Remove with a 12" or 14" blade

Go over screw holes again with a larger blade

Helpful tools and materials:

Plus 3 drywall mud

Paper tape

Dewalt drywall knife kit with pan

Mixing paddle

Review video tutorial on 2nd coat application

- [ ] #54 Tile floor layout

Tile Floor Layout & Prep

Don't over think it 😊. If you have a similar sized bathroom floor, you will quickly realize that most of the floor space will be covered by fixtures. Not saying to be sloppy about it, but spending too much time on layout and being precise with sizing edging pieces is not all that productive, especially if you have large format tiles like these 12" x 24" tiles

Here's an overview of the layout process:

Reference the most visible area for squareness and placement of most attractive tile pieces

Mark center points and reference edging piecesTypically a 5ft wide room works out well with 12" wide tiles; can simply start from center and get equal side pieces

Be sure to avoid any slivers at door entrance. Typically going to edge of door stop is where you want to end things

Double check length of room to avoid slivers

Pay attention to the curvature of your tiles this will help determine the staggered pattern needed to avoid excessive lippage A good reference from the

TCNA

is to stagger tiles over 15" in length to 33%

Check squareness of edging of tilesThis is important for determining spacers used to get the desired grout joint size you wantMost tiles I use the

1/32" clips

(My favorite leveling system is T-Lock)

Helpful materials & tools:

TCNA Handbook

Euro Notch Trowel

(great for 12" x 24")

T-lock Leveling System

(1/32" kit)

T-lock Leveling System

(1/16" kit)

Ardex sponges

Ardex X5 thinset

Linoleum knife (scraper)

1/16" horseshoe tile spacers

Montolit grinder STL blade

(diamond cutter wheel)

Montolit CGX grinder blade

(cheaper option; great for porcelain)

Cordless grinder

(Milwaukee)

Quick lock accessory for grinder

Makita paddle switch grinder

(corded to attach to shop vac)

Fein Grinder Shroud

(keeps dust down)

Fein Shop vac

(with tool switch; turns on when using tool)

Fein Oscillating tool

Montolit Mini Puima tile cutter

(Great for subway and 6x6 tiles)

Montolit Masterpuima tile cutter

(great for tile up to 25")

Dewalt Wet saw

Montolit DNA 10" blade

(great for porcelain and ceramic)

Diamond hand pads

Collomix mixer

(amazing mixer for thinset)

Laser

Laser pole

Rubber gloves

Respirator

Sanding sponges for drywall

White Scrubby pads

Review video tutorial on tile layout

- [ ] Sal Diblasi's Tile Floor Guide

  If you don't know Sal, You should!

  He is one of the best tile professionals out there and a fantastic teacher. Check out hisYoutube channel

He has a great PDF file that goes over important industry standards and recommendations for setting floor tile.

He is a wealth of knowledge - Here's alink to his PDF

You can find sal on all the major platforms

Here's his a list to find all those places

☕ Buy Sal a Coffee ☕

- [ ] #55 Cut and prepare floor tile

Cutting circles in tile can be done many ways, I like using an

STL blade

and grind cut my way through. This does not need to be super accurate, there will be plenty of room to hide an ugly cut by the toilet

Layout tiles before mixing thinset and setting into place

Review video on cutting and tile layout

- [ ] #56 Setting mosaics on Kerdi Band

Mosaic border Prep

So this task can be done when you have thinset already prepared. I had done this after setting the ditra membrane at the beginning of the day; using the rest of the Schluter All-set thinset to apply it

Time spent preparing this will save you time tomorrow

First determine the size of your borderYou can always make it bigger and cut things down before setting

Cut Strips of

Kerdi Band

Apply thinsetMost of the time a

3/16" notched trowel

works well

Be sure to clean up substrate after apply thinsetYou don't want the kerdi band being set to whatever your on 😀

Set Mosiacs

Tamp in place with a

grout float

Make sure you keep the border straightUse a level or other form of straight edge

Let sit overnight Much easier way to install a border!

Helpful materials & tools:

1/4" x 1/4" trowel

Grout float

Ditra Trowel

Kerdi Band

Kerdi Trowel

Ardex sponges

Ardex X5 thinest

Schluter all-set thinset

Linoleum knife (scraper)

1/16" horseshoe tile spacers

Review video tutorial on setting mosaics

Day 5

- [ ] #57 Tile plumbing wall

♦ Tiling Plumbing Wall & Niche ♦

You are a PRO now

Here's the drill

Set your laser to tile height of the first row

Scribe cut tiles to maintain consistent joint to tubCut tile around edge of tub rim

Cut tile around valveReference the escutcheon plate that comes with your faucet to be sure cuts are good

Helpful materials & tools:

1/4" x 1/4" trowel

Wood float(embed ditra)

Grout float

Ditra

Ditra Trowel

Kerdi Band

Kerdi Trowel

Ardex sponges

Ardex X5 thinest

Schluter all-set thinset

Linoleum knife (scraper)

1/16" horseshoe tile spacers

Montolit grinder STL blade(diamond cutter wheel)

Montolit CGX grinder blade(cheaper option; great for porcelain)

Cordless grinder(Milwaukee)

Quick lock accessory for grinder

Makita paddle switch grinder(corded to attach to shop vac)

Fein Grinder Shroud(keeps dust down)

Fein Shop vac(with tool switch; turns on when using tool)

Montolit Mini Puima tile cutter(Great for subway and 6x6 tiles)

Montolit Masterpuima tile cutter(great for tile up to 25")

Dewalt Wet saw

Montolit DNA 10" blade(great for porcelain and ceramic)

Diamond hand pads

Collomix mixer(amazing mixer for thinset)

Laser

Laser pole

Rubber gloves

Respirator

Sanding sponges for drywall

White Scrubby pads

Sulfamic Acid crystals(to remove stubborn thinset)

Review video tutorial on tiling plumbing wall

- [ ] #58 Tile Niche

Set sill of niche first

You may want to buy a large tile that matches to avoid a grout joint on sill

Set mosaics with a grout float

Trowel size is dependent on thickness of mosaic

1/4" x 1/4" trowel typically works great

Set side pieces of niche a and allow to sit slightly past wall to maintain small grout joint with edging

Set shelf and apply thinset on either side of shelf before setting

Set second set of mosaics

If using a wet saw to cut mosaics, be sure to wipe off excess waterExcessive water can be a bond breaker between tile and thinset

Set second shelf And finish mosaics

Finish mosaics and inside of niche

Review video on tiling niche

- [ ] #59 Set edging of Niche

Set bull nose tiles and evenly space

Support top bullnose if needed

other options of edging

Schluter Rondec - image

Marble pencil trim - image

Review video tutorial on setting edging

Review video on setting Schluter Rondec

- [ ] #60 Set mosaic border

Mosaic border setting will be a breeze with the preparation done on Day 4

Here's the steps:

Cut off excess kerdi membrane off of mosaics

You can also cut down the size of border as well if wanting a more slender border

Cut to length

Apply thinset - can be as thick as needed to bump out mosaics flush with other tilesSet back wall first

Tamp into place with

grout float

Space with spacers

Horseshoe shims are awesome

Finish off top rowsMaintain at least a 1/16" space between ceiling and tile

Finish off tile along side of tubThis may need to be done during the floor tile installation

Clean up! Use

scrubby pads to remove thinset

My favorite scrapper is the

linoleum knife

Helpful materials & tools:

1/4" x 1/4" trowel

Wood float

(embed ditra)

Grout float

Ditra

Ditra Trowel

Kerdi Band

Kerdi Trowel

Ardex sponges

Ardex X5 thinest

Schluter all-set thinset

Linoleum knife (scraper)

1/16" horseshoe tile spacers

Montolit grinder STL blade

(diamond cutter wheel)

Montolit CGX grinder blade

(cheaper option; great for porcelain)

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(great for tile up to 25")

Dewalt Wet saw

Montolit DNA 10" blade

(great for porcelain and ceramic)

Diamond hand pads

Collomix mixer

(amazing mixer for thinset)

Laser

Laser pole

Rubber gloves

Respirator

Sanding sponges for drywall

White Scrubby pads

Sulfamic Acid crystals

(to remove stubborn thinset)

Review video tutorial on setting a mosaic border

- [ ] #61 Clean tile & tub

If you clean up tile in the same day as setting, it'll be much easier!

Here are a couple helpful tools:

Ardex sponges

Linoleum knife (scraper)

Rubber gloves

White Scrubby pads

- [ ] #62 Sand Drywall

Sanding, sanding, sanding 😀

Using a 3M sanding block

Review video on 3rd drywall coat

- [ ] #63 3rd coat drywall

▯ Drywall Finishing - 3rd Coat ▯

This will get easier over time!

Try to be patient and not play with it too much.....😀 Easier said than done I know...

Helpful tools and materials:

Plus 3 drywall mud

Paper tape

Dewalt drywall knife kit with pan

Mixing paddle

3M sanding block

Respirator

Review video tutorial on 3rd coat

- [ ] #64 Set tile floor

 Setting Tile Floor

Be sure to refer to Tile layout and Prep if you do not have tiles preliminarily cut and ready to set

 Also be sure to reference tutorial on recommended thinsets & coverage

Ready, set, GO

Select a trowel that will get good coverageAlways test a piece by troweling, setting and pulling up a piece to check coverage

Use a leveling system for large format tilesMy favorite is

T-lock

Be sure to check sides of tile for squarenessselect a tile spacer that will provide the grout joint you want

Completely fill in waffle of Ditra mat

Applying with a grout float or back side of trowel

Directionally TrowelBest to go in direction of short size of tile

Back butter tiles

Set clips and wedges

If you place wedges in direction of previous set tile, the grout joints will be easier to maintain evenness

Remember you can always add more thinset to tiles if something is off or there isn't enough on tiles

Set edging at door

My favorite is Schluter Rondec

Shim edging if needed

You want the edging to be flush with tile

Helpful materials & tools:

3/8" x 1/2" Trowel (a go-to for 12" x 24" or plank)

1/4" x 1/4" trowel(Tiles under 12" long; mosaics)

1/4" x 3/8" trowel(Schluter pans, Tiles over 12" long)

Euro Trowel(large format tile; great for 12" x 24" tiles or Plank tile)

1/2" x 1/2" Trowel (large format tiles, Helps overcome Schluter membrane over ditra, great for large floor tiles)

Schluter edging (Rondec)

TCNA Handbook

Euro Notch Trowel

(great for 12" x 24")

T-lock Leveling System

(1/32" kit)

T-lock Leveling System

(1/16" kit)

1/4" x 1/4" trowel

Wood float

(embed ditra)

Grout float

Fein Oscillation tool

(cutting door jamb)

Ditra

Ditra Trowel

Kerdi Band

Kerdi Trowel

Ardex sponges

Ardex X5 thinest

Schluter all-set thinset

Linoleum knife (scraper)

1/16" horseshoe tile spacers

Montolit grinder STL blade

(diamond cutter wheel)

Montolit CGX grinder blade

(cheaper option; great for porcelain)

Cordless grinder

(Milwaukee)

Quick lock accessory for grinder

Makita paddle switch grinder

(corded to attach to shop vac)

Fein Grinder Shroud

(keeps dust down)

Fein Shop vac

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Montolit Mini Puima tile cutter

(Great for subway and 6x6 tiles)

Montolit Masterpuima tile cutter

(great for tile up to 25")

Dewalt Wet saw

Montolit DNA 10" blade

(great for porcelain and ceramic)

Diamond hand pads

Collomix mixer

(amazing mixer for thinset)

Laser

Laser pole

Rubber gloves

Respirator

Sanding sponges for drywall

White Scrubby pads

Sulfamic Acid crystals

(to remove stubborn thinset)

Review video on setting floor tile

- [ ] #65 Cut door jambs for tile

Cut door jamb to allow tile to slide underKeep in mind most doors swing into bathroom, so stopping at door stop (middle of jamb) is a typical location An Oscillating tool is helpful

Review video tutorial on setting tile

- [ ] #66 Set floor edging

Set edging at doorMy favorite isSchluter Rondec

Review video tutorial on setting floor tile

Day 6

- [ ] #67 Sand Drywall

Sanding, sanding, sanding 😆

Using a 3M sanding block

Review video on touch-ups

- [ ] #68 Touch-up drywall

Final coat

This would technically be the 4th coat for drywall finishing

I like to get this out of the way first thing!

This should be to simply fill in any air bubbles or other nicks and scratches

5 minute mud

If needing more time, there is 20, 45 &

90 minute mud

White Scrubby pads

Ardex sponges

Helpful tools and materials:

Ardex sponges

Respirator

Sanding sponges for drywall

White Scrubby pads

5 minute mud

Microfiber clothes

Milwaukee mud mixer

Mixing paddle

Dewalt drywall knife kit with pan

Review video tutorial on final coat

- [ ] #69 Clean up tile floor

😊 Clean-up 😊

If your kind of messy like me.....this isn't always the most fun project 😆

That's one thing I want to get better at - being cleaner and neater when setting tile

Here are a few tips that will help:

Use a rubber malletto avoid chipping tiles

Hit the clips parallel with grout joints

If a clip gets stuck, no big deal, just cut below tile layer1/8" or so is good enough

Be careful not to penetrate waterproofing

If you let thinset sit for more than a day or so,

Sulfamic acid crystals

will soften thinset

Add a couple tablespoons to water and spray areas neededBe careful on natural stones (marble, travertine, etc) this may etch it

Test an area before applying everywhere (primarily for sensitive tiles)

Wear a respirator and DO NOT get in your eyes

Let sit for 5-10 minutesScrub with a

White Scrubby pads

After removing thinset, wash well with water Let everything completely dry before groutingThis could harm grout if left in joints

Linoleum knife (scraper) is great for this!

Especially if you used sulfamic acid

Helpful tools and materials:

Ardex sponges

Linoleum knife (scraper)

Diamond hand pads

Rubber gloves

Respirator

White Scrubby pads

Sulfamic Acid Crystals

Microfiber clothes

Windex with vinegar

Review video tutorial on tile cleanup

- [ ] #70 Mix Epoxy Grout

 Mixing Epoxy Grout

Laticrete Spectralock Epoxy Grout comes in two size packages

2 1/2" lb kit

9 lb kit

Mixing is fairly straightforward:

Add Part A & B first into a clean bucket

Be sure to get every last drop! This makes a big difference with making a fluid mixture

Thoroughly mix part A and B

Thoroughly mix part C

Helpful tools:

Milwaukee mud mixer

Mixing paddle

Rubber gloves

Review Epoxy grout video

- [ ] My favorite grouts

Over the years I've used many different kinds of grouts and have grown to love and hate many of them....

I'm also very cautious when it comes to white grout.

So when it comes to white grout, I've only been recommending Epoxy grout. These two are the best I've found:

Spectralock Pro Epoxy

Ardex WA Epoxy

For other colors, its a little less concerning to me, but here are my recommendations in order of best to good

Spectralock Pro Epoxy

Spectralock1 (pre-mix) becoming a favorite & very DIY friendly

Laticrete Permacolor

Mapei FA

All grouts above do not need sealed or require any further maintenance

- [ ] #71 Set grout

Setting Grout

This is the hardest part of the whole installation process.

Packing the joints can be exhausting.....This is where you may want to buy a couple of the mini kits

to lesson the labor. Do one wall at a time and take breaks

Here are the steps to repeat on each area and wall:

Dampen the surface of wall with a sponge

Don't allow water to run down grout joints; this is simply to wet the surface to allow grout to glide over tiles

Pack joints I like to start with the border at top of wall, but any top portion of wall works

A good Grout float helps a lot

Focus on packing joints

Don't worry about grout leftover on wall, but remove what you can without pulling any grout out joints

A grout float margin trowel can help in tight spaces

After packing all joints, be sure to make a ball out the remaining grout so you can touch up things later

Be sure to clean tub during this process

Helpful tools and materials:

Grout float

(trox)

Grout float

(Marshalltown)

Ardex sponges

Linoleum knife (scraper)

Rubber gloves

White Scrubby pads

Windex with vinegar

Laticrete epoxy haze remover

grout float margin trowel

Review Epoxy Grout Video tutorial

- [ ] #72 Prep for paint

Final sanding for drywall use a 3M sanding block

and wet sand with sponge. Wipe down all walls and ceiling; removing all dust

This will keep the project rolling while waiting for epoxy grout to set up. Typically it take 10-20 minutes for grout to set up enough to start scrubbing

Don't get side tracked too long. Be sure to periodically do a test on grout:

After 10 minutes or so test joint with fingerIf grout is coming out of joint wait another 5-10 minutesYou want to be able to press the joint and not pull out grout onto your finger

Review wet sanding process in this video

- [ ] #73 Clean & tool grout

Clean-up

Timing is everything!

Timing of initial wash will depend on humidity and temperature of your homeIf its dry and hot, It may be able to be worked on right awayTypically its 10-20 minutes after everything is packed (which could take 25 minutes by itself)

After 10 minutes or so test joint with fingerIf grout is coming out of joint wait another 5-10 minutesYou want to be able to press the joint and not pull out grout onto your finger

Test again If grout is moldable but not sticking and pulling out onto your finger, your ready for initial scrub

Test an area with scubby pad and make sure grout is not running out of jointsIf grout is moving out, stop and wait for another 5-10 minutes and repeat finger test

Great thing about epoxy is that you don't have to worry about the amount of water used!White Scrubby pads are a must-have for epoxy grout removal

Wipe off excess water and grout with a spongeArdex sponges are worth the extra expense!

This is an important step; useMicrofiber clothesIt will reduce the haze residue remaining on wall from wet sponges and cleaning

Helpful tools and materials:

Ardex spongesLinoleum knife (scraper)Rubber glovesWhite Scrubby pads 5 minute mud Microfiber clothesWindex with vinegar

- [ ] #74 Prime Walls & ceiling

 Priming

Let's get things ready to paint

Wet sand areas needed with spongeRemove dust from ceiling and walls with damp sponge

A standard drywall primer or PVA primer is all that is needed for new drywall

Cut ceilings in firstI like using a

2 1/2" brush

Prime all walls

Use 3/8" nap rollers for new drywall

Other helpful tools:

Paint trayPaint tray liners9" Roller3/8" nap rollers2 1/2" brushdrywall primerSherwin Williams 1050 QD Newborn 950-gts (drip-free caulking gun)

Review video on priming walls & ceiling

- [ ] #75 Caulk ceiling and edging joints

To have a long lasting caulk joint (especially at ceiling and tile joint) - Use a siliconized latex caulk

This gives the flexibility needed, but also allows you to paint it easilyMy favorite is

Sherwin Williams 1050 QD (quick dry)

Start out cutting the tip of caulking tube small

Fill ceiling joints

New born caulking guns are great!

Review video tutorial on caulking

- [ ] #76 Paint ceiling

Use a flat white ceiling paint My favorite is

Masterhide by Sherwin Williams

Cut in around perimeter of ceiling first with ceiling paintBe sure to coat the caulking joint to match ceiling

Using 3/8" nap rollers is best for this too

Typically 2 coats is neededIf you run vent fan and/or of a fan moving air in bath, you can get second coat on fairly quickly

Other helpful tools:

Paint tray

Paint tray liners

9" Roller

3/8" nap rollers

2 1/2" brush

drywall primer

Sherwin Williams 1050 QD

Newborn 950-gts (drip-free caulking gun)

Review video on painting ceiling

- [ ] #77 Shower trim

 Shower Faucet Trim

This is an easy step 😊

Helpful tools & materials:

Klien Temp reader

Teflon tape

Pipe sealant

Autocut tool

Debur tool

Sanding clothe

Allen wrench kit

Review video tutorial on shower trim installation

- [ ] #78 Paint walls

 Painting

Quick and easy now

Keep continuous motions with your brushMy favorite is thePurdy 2 1/2" brush

My favorite paint it Super paint from Sherwin Williams

Be sure to apply paint over latex caulking on edging of tile

Use 3/8" nap rollers for smooth surfaces like this

Other helpful tools:

Paint tray

Paint tray liners

9" Roller

3/8" nap rollers

2 1/2" brush

drywall primer

Sherwin Williams 1050 QD

Newborn 950-gts (drip-free caulking gun)

Review painting video tutorial

- [ ] #79 Caulk corners of tub surround

Caulking Tub and corners

Only do this part of project if you are done making a mess 😀

You don't want anything to fall into joints before they dry

For bright white, I use GE Kitchen & Bath Caulking

If matching to your selected grout, be sure to purchase the 100% silicon versionLatasil matching caulk

Cut tip of caulking gun small at firstTry to apply minimal amount of sealant, but enough to fill entire void

A good caulking gun makes a world of differenceMy favorite is

Newborn 950-GTS

Spray windex (preferably windex without the dye) over entire joint

This will help prevent silicon from smearing on tile

Many time your finger is the best tool

Caulking tools can work great too

Helpful tools & materials:

Newborn 950-gts (drip-free caulking gun)

GE Kitchen & Bath Caulking

Latasil matching caulk

windex

Caulking tool kit

Box of rags

Review video on caulking corners of a tub surround

- [ ] #80 Fill and caulk tub

Fill the tub before caulking the edges of tub

This ensure a long lasting caulk joint

Helpful tools & materials:

Newborn 950-gts (drip-free caulking gun)GE Kitchen & Bath CaulkingLatasil matching caulkwindexCaulking tool kitBox of rags
Review video on caulking tub

- [ ] #81 Grout floor

 Grouting Floor

Spectralock1 is one of the easiest grouts to useNo mixing required

No sealing required

A good grout float makes a difference

Marshalltown floats are a favorite of mine

You won't regret using a goodArdex sponge

Helpful tools and Materials:

Spectralock1

Grout float (Marshalltown)

Ardex sponges

Linoleum knife (scraper)

Rubber gloves

White Scrubby pads

Windex with vinegar

grout float margin trowel

Microfiber clothes

Review video tutorial on grouting a tile floor

Day 7

- [ ] #82 Replace Switches

  Switches

  There are many different wiring configurations that exist. The most basic option is having power supply coming into the main double switch box

  After you find the power lead, Turn off power at breaker panel to bathroom

  Much safer that way 😄

  Helpful tools and materials:

  Leviton single pole switches

  Linesman stripping pliers

  Klien electrical tester

  Ideal Wire nuts

  Klein screw driver set

  electrical tape

  pigtail ground line

  Review video tutorial on replacing switches

- [ ] #83 Install new GFI

  New GFI

  With a new deep 18 cu inch box installed, this will be a breeze

  A 15 amp GFI device is sufficient for bathrooms, but the actual line feeding GFI should be 20 amp wire

  Review GFI installation video

- [ ] #84 New breaker for GFI

  New Breaker for Panel

  There are many different manufacturers that make Breaker Panels

Some common ones are:

Murray(siemens)

Cuttlerhammer(eaton)

Square D

GE

Leviton

You'll need to choose the correct breaker for the kind of panel you have

You'll need a 20 amp breaker for the dedicated GFI

Murray 20 amp breaker

Eaton 20 Amp breaker

Square D 20 amp breaker

GE 20 amp breaker

Leviton 20 amp breaker

Romex connectors

Helpful tools and materials:

Linesman stripping pliers

Klien electrical tester

Ideal Wire nuts

Klein screw driver set

electrical tape

Hilti drill kit

Headlamp

Romex connectors

Review Installation video of new breaker

- [ ] #85 New Trap adapter for sink

With new PVC or ABS piping use a:

Spigot adapter (1 1/4")or

female trap adapter (1 1/4")

Helpful tools and materials:

PVC primer & Glue

Empire level (2ft)

Channel locks

Stud finder

Hilti drill set

Spigot adapter (1 1/4")

female trap adapter (1 1/4")

Milwaukee hole saw kit

Porter Cable Electric Planer

Teflon tape

T2 sealant

1/4 turn valves (3/8 thread)

Milwaukee grinder

Montolit STL blade

water clear silicon

GE white kitchen & bath silicone

Ridgid tubular cutter

Review video tutorial on installing vanity

- [ ] #86 Install Vanity

Vanity Installation

The hardest part is selecting a vanity 😆

The vanity in this video was a cheap one.....

It was a big box special

A great site I use often to browse and look for vanities is

Build.com

For corner installations like this, I recommend getting a cabinet with a flush end so that it can tuck into corner nicely

A lot of free-standing vanities have uneven sides that can provide gaps at the wall areaSome kits have filler pieces available to make up for this problem

Much easier getting a cabinet with straight edging for corner installations

Helpful tools and materials:

Empire level (2ft)

Channel locks

Stud finder

Hilti drill set

Spigot adapter (1 1/4")

female trap adapter (1 1/4")

Milwaukee hole saw kit

Porter Cable Electric Planer

Teflon tape

T2 sealant

1/4 turn valves (3/8 thread)

Milwaukee grinder

Montolit STL blade

water clear silicon

GE white kitchen & bath silicone

Ridgid tubular cutter

Review video on vanity installation

- [ ] #87 New shut-off valves

I recommend installing 1/4 turn shut off valves

The internal bearing will outlast other compression type valves

I personally love the Sharkbite shut off valves - easy to install and to remove

If you have 3/8" stub outs -these brasscraft shut-off valves work great

Helpful tools & materials

Channel locks

Deburring tool / Depth gauge for sharkbites

Sharkbite removal tool

Teflon tape

Pipe sealant

Review installation of valves

- [ ] #88 Install sink faucet

Most sink faucets are a straight forward installation

I personally like single hole faucets. Whats the point of having more to clean?

Here are a couple of my favorites:

Delta

Moen

Vigo

A great place to browse faucets is Build.com

Helpful tools and materials:

Teflon tape

T2 sealant

water clear silicon

GE white kitchen & bath silicone

Ridgid sink wrench

Basin wrench

Review video on vanity installation

- [ ] #89 Set sink top

Not much to this....but boy connecting faucet before setting makes things much easier!

Helpful tools and materials:

GE white kitchen & bath silicone

Review video on vanity installation

- [ ] #90 Install base trim

This is important to install right away so you can caulk and paint before setting toilet

For a quick installation use:

Sherwin Williams 1050 QD (quick dry)

New born caulking guns are great!

Milwaukee finish nailer

Review video tutorial on caulking

- [ ] #91 Connect Trap for sink

When installing a new trap, be sure to prevent trap from going to far into wall

Here are the traps I typically use:

Keeney 1 1/4" trap

6" extension

Review installation video of trap

Review a video on a common problem and solution for a trap that doesn't fit right

- [ ] #92 Install heat vent and rest of base trim

For a quick installation use:

Sherwin Williams 1050 QD (quick dry)

New born caulking guns are great!

Milwaukee finish nailer

Review video tutorial on caulking

- [ ] #93 Install Light fixture

Light Fixture

There's always a lot of discussion with a client or spouse about the hanging of a light fixture 😆

It' tough to tell what the distance should be from the ceiling and how close you should be to a mirror

Unfortunately there are no "right" or wrongs when it comes to this, but as a contractor I'm always preparing myself for a change in location.

That's why I like to only poke out a wire in the general location of the fixture

With a standard 8 foot ceiling

I recommend 8-12" from ceiling and centered over sink

There are many ways to go about installing an electrical box for a light fixture, Here are 3 great ways:

#1 Install blocking before hanging drywall & use a standard 4" round box

If you install a 2x8 or 2x10 against back of wall (in a 2x4 wall) a standard 4" round box works great to fasten in place

#2 Use an Old work box that simply mounts to the drywall

#3 Use a 4" Pancake box when a stud is centered in location needed

Helpful tools & materials:

Leviton single pole switches

Linesman stripping pliers

Klien electrical tester

Ideal Wire nuts

Klein screw driver set

electrical tape

pigtail ground line

4" Pancake box

standard 4" round box

Old work box

Review video tutorial on installing a light fixture

- [ ] #94 Install Mirror

Mirror Hanging

An easy installation

Helpful tools and materials:

Laser

Laser pole

Klien anchors

Review video tutorial on hanging a mirror

- [ ] #95 Install toilet

Toilet Installation

One of my favorite toilets of all time is the American Standard Cadet 3

I've installed at least 30-40 of these in my career, and very rarely have an issue with themThey flush well

Easy to install

Has a reasonable price (IMO)

Before ordering a toilet, be sure to check the distance of the center of flange to the wall

Toilets come in 3 common rough-in sizes:

10"

12" (most common)

14"

Be sure to account for trim thickness; The tank is what is different from model to model. In my experience if you are within 3/4" of a common sized rough-in, the toilet will fit

Example1: If the wall measurement to center (not trim, but from the wall) is 11 1/4" - then go with a 12" rough-in toilet

Example2: If the wall measurement to center (not trim, but from the wall) is 12 3/4" - then go with a 12" rough-in toilet

When if comes to the toilet flange; Its best to be flush with the floor or up to a 1/4" above

Another great option is a Sani-seal Foam gasket

Helpful tools and materials:

American Standard Cadet 3

Oatey Wax ring

Sani-seal Foam gasket

Oatey Extension ring

White Silicone

Matching caulk for grout

Windex with Vinegar

Linesmans(to cut toilet bolts)

Hilti screw gun kit

Newborn caulking gun

Review video tutorial on installing a toilet

- [ ] #96 Accessories

 Accessories

I find this portion of the project to be one of the most frustrating parts of the project 😆

Even if you made it easy on yourself and followed guidance on Day 4 , it can still be frustrating with cheaply manufactured accessories

Take your time installing, you'll get it!

A Laser makes things much easier

Helpful tools and materials:

Toggle bolts

Milwaukee Diamond Plus

Laser

Laser pole

Makita drill

Review video on installing acessories

- [ ] #97 Shower rod

Most shower rods these days are tension fit types of rods.

However if you get a curved shower rod it will give a lot more room and most likely need to be anchored in

I might be old school, but I like the standard anchor type rods....less likely to fall out of place

Helpful tools and materials:

Toggle bolts

Milwaukee Diamond Plus

Laser

Laser pole

Makita drill

Review video on installing acessories

- [ ] #98 Carpet Tuck

Carpet Transition

This is it!! Congratulations you did it

This always seems to be the last task for me...

Helpful tools and materials:

Carpet tack strips

Linoleum knife

Stanley utility knife

Review video on carpet tuck

- [ ] #99 Enjoy 😊

This is the easiest task of all!

If you are not a member of my course, I encourage you to become one, It will make the bathroom remodeling process much easier

Tub & Shower in 7 days or less

Thank you!

Also be sure to subscribe to my Youtube Channel and all other platforms - https://linktr.ee/bathroomremodelingteacher

- [ ] Remodel a bathroom in 7 days - Online Course

If you are not a member of my course, I encourage you to become one, It will make the bathroom remodeling process much easier

Tub & Shower in 7 days or less

Thank you!

- [ ] Custom Tile Shower Online Course Enroll

PLAN-LEARN-BUILD your own custom bathroom with the Tile shower course. Step by step guidance on building a custom tile shower including Demo-Framing-Plumbing (including moving shower drain) - Shower faucet installation - waterproofing- Tiling - Shower enclosure installation & much more

Enroll today - click here

- [ ] Buy me a coffee ☕

Support is always appreciated

Coffee always keeps me going

Here's the link - buy me a coffee

Thank you

- [ ] Suggestions

If you have any suggestions on any part of this list

I'd love the feedback and will incorporate it (with credits)

Contact me

Thanks

Steve

- [ ] PLAN-LEARN-BUILD - Website

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