Bathroom Remodel in 7 Days

99 steps

Checklist

Get organized



Da	y 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
	MFind a Transfer station near you to get rid of construction debris
	Helpful tools and materials:
	<u>Drop clothes</u>
	Ram board (hardwood)
	<u>Carpet Guard</u>
	<u>Plastic</u>
	<u>Zip walls</u>
	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.

#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:
<u>Channel locks</u>
<u>3/8" caps</u>
for stub outs or
sharkbite caps
for copper
<u>Teflon tape</u>
Pipe sealant
<u>Sawzall</u>
to cut plumbing
<u>Impact driver</u>
Review video on vanity removal
#4 Remove Vanity
This should be a breeze
Simply find the screws fastening into place and remove
<u>Impact driver</u>
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
<u>Channel locks</u>
3/8" caps
for stub outs or
sharkbite caps
for copper
<u>Deburring tool / Depth gauge for sharkbites</u>
Sharkbite removal tool
<u>Teflon tape</u>
<u>Pipe sealant</u>
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
<u>autocut</u>
<u>sawzall</u>
heavy metal blade
Hilti impact drill kit
Review video on faucet trim removal
#7 Remove tub drain
Not all tub drains will come out easilyAnd 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.
<u>tub wrench</u>
Pipe wrench
<u>sawzall</u>
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
<u>autocut</u>
<u>Channel locks</u>
<u>sharkbite caps</u>

<u>Deburring tool / Depth gauge for sharkbites</u>

Sharkbite removal tool
<u>Teflon tape</u>
<u>Pipe sealant</u>
<u>Cordless grinder</u>
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:
<u>sawzall</u>
9 inch Ax sawzall blades
oscillating tool
Long pry bar
<u>gloves</u>
safety glasses
<u>respirator</u>
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 tub Review video on removing a cast iron tub
Review video on removing a cast iron tub
Review video on removing a cast iron tub #11 Disconnect & remove light fixtures
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If you have wall paper, I highly recommend removing and starting with a clean slate!
Helpful tools:
<u>sawzall</u>
9 inch Ax sawzall blades
oscillating tool
Long pry bar
<u>gloves</u>
<u>respirator</u>
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 windowthis 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:
<u>sawzall</u>
9 inch Ax sawzall blades
oscillating tool
Long pry bar
<u>gloves</u>
<u>respirator</u>
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
<u>roof vent</u>
<u>dryer style vent</u>
<u>soffit vent</u>
4" corrugated pipe
<u>4" duct</u>
<u>insulated sleeve</u>
for standard 4" pipe
insulated 4" flex duct
<u>Y fitting</u>
<u>5" wormdrive clamps</u>
<u>foil tape</u>
spray foam
roll of plastic strapping
4 1/4" hole saw
or get a
<u>full hole saw kit</u>
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 <u>Halo 4" light</u> is pretty simple
Helpful tools and materials:
Halo 4" lights
<u>14/2 wire</u>
Spade bits
for drilling through framing
<u>Linesmans</u>
Milwaukee drill set
Review video on running a wire for recessed light
#18 Hang Drywall ceiling
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:
<u>Drywall Board Mate</u>
<u>Dimple drywall bits</u>
Drywall knife
<u>Rotozip</u>
Rotozip drywall bits
<u>Drywall glue</u>
1 5/8" drywall screws
And if you want have tall ceilings or having a rough time handling it yourself, you can always rent adrywall 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:
<u>Floor scraper</u>
Large pry bar
<u>Grinder blade</u>
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

American Standard Studio tub installation instructions

subfloor for an american standard tub

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:
<u>1 1/4" - 1 1/2" fernco</u>
, 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
<u>Channel locks</u>
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)
<u>Jacuzzi Linea</u> - 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 warrantyDeen 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 the American 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

11/2" adapter
(to connect assembly) female
45 street elbow
45 elbow
22.5 street elbow
<u>22.5 elbow</u>
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.
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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 <u>Flux</u> 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 <u>Delta Valve with the Tub stub out</u> 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 kitMakita cordless circular sawTorpedo levelMission couplings 1/14" x 1 1/2" <u>Fernco</u> 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

12/2 20 amp wire20 cubic inch boxesNail platesSpade bits Linesman stripping pliersKlien electrical testerIdeal Wire

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

Helpful tools & materials:

nutsKlein screw driver setelectrical tape Hilti drill kitHeadlamp

Review video tutorial on GFI

Do	w 2		
Da	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 <u>electric planer</u>		
	Protect plumbing and electrical with		
	<u>nail plates</u>		
	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		

4ft level

6ft level

Torpedo 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
<u>Drywall gun</u>
is the next best thing. This will allow you to quickly fasten boards while struggling to hold up boards 🕲
A
<u>Drywall Roller lift</u>
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
<u>RotoZip</u>
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 $\mathbb R$
Helpful tools for hanging drywall:
<u>Dimple bits</u>
<u>Drywall gun</u>
collated magazine
<u>Drywall Roller lift</u>
<u>RotoZip</u>
<u>drywall bits</u>
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 <u>6" knife</u>
and apply to corners
MMMMost important part of 1st coat is to have the <u>paper tape</u> 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
<u>Paper tape</u>
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 $\mbox{\em B}$
Helpful tools:
<u>Laser</u>
<u>Laser pole</u>
Makita cordless saw
Paslode framing nailer
Review framing a niche video tutorial
#42 Waterproof Backerboard for Tub Surround
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 $\[mathbb{M}\]$

But hopefully things worked out thus far and you can keep pushing forward ${\tt M}$

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

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 in previous 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)

Nature 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 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) <u>Schluter All-set thinset</u> (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 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

Kerdi Band Schluter Ditra

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

I highly recommend using <u>Schluter All-set Thinset</u> 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

4. Always check coverage
5. Use Kerdi Band to waterproof all seams - Using a <u>Kerdi Trowel</u>
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
<u>scale</u>
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 materialsI 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:

3. Embed Ditra Mat with Float

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

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

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 goodthen 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
<u>Respirator</u>
Be sure to review thinset mixing video tutorial
My favorite thinsets
#1 <u>Ardex X77</u> or <u>X5</u>
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 <u>Mapei thinsets</u>
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 bagl 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

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 uplt 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

NTile layout tips to remember N

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:

Wood float
(embed ditra)
Grout float
<u>Ditra</u>
<u>Ditra Trowel</u>
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)
<u>Cordless grinder</u>
(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)
<u>Diamond hand pads</u>
<u>Collomix mixer</u>
(amazing mixer for thinset)

1/4" x 1/4" trowel

Laser

	<u>Laser pole</u>
	Rubber gloves
	<u>Respirator</u>
	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 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
$\overline{}$	#FO Tile side wall
	#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
	<u>Linoleum knife (scraper)</u>
	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 sandingjust making sure all the chunks are removed.
	I use these

with a 45 degree bevel on them. They can get into the corners nicely $% \left(1\right) =\left(1\right) \left(1\right$

sanding blocks

It's also not a bad idea to remix your mud (I did not demonstrate or do this on this coat (a)) 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

MTile Floor Layout & Prep M

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)
<u>Cordless grinder</u>
(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)
<u>Diamond hand pads</u>
Collomix mixer
(amazing mixer for thinset)
<u>Laser</u>
<u>Laser pole</u>
Rubber gloves
<u>Respirator</u>
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 his Youtube 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 Mosaic border Prep Mosa
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 <u>Schluter All-set thinset</u> 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 \(\text{Much easier way to install a border!} \)
Helpful materials & tools:
<u>1/4" x 1/4" trowel</u>
Grout float
<u>Ditra Trowel</u>
Kerdi Band
Kerdi Trowel
Ardex sponges
Ardex X5 thinest

Schluter all-set thinset

Linoleum knife (scraper)

Dewalt Wet saw

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

1/16" horseshoe tile spacers

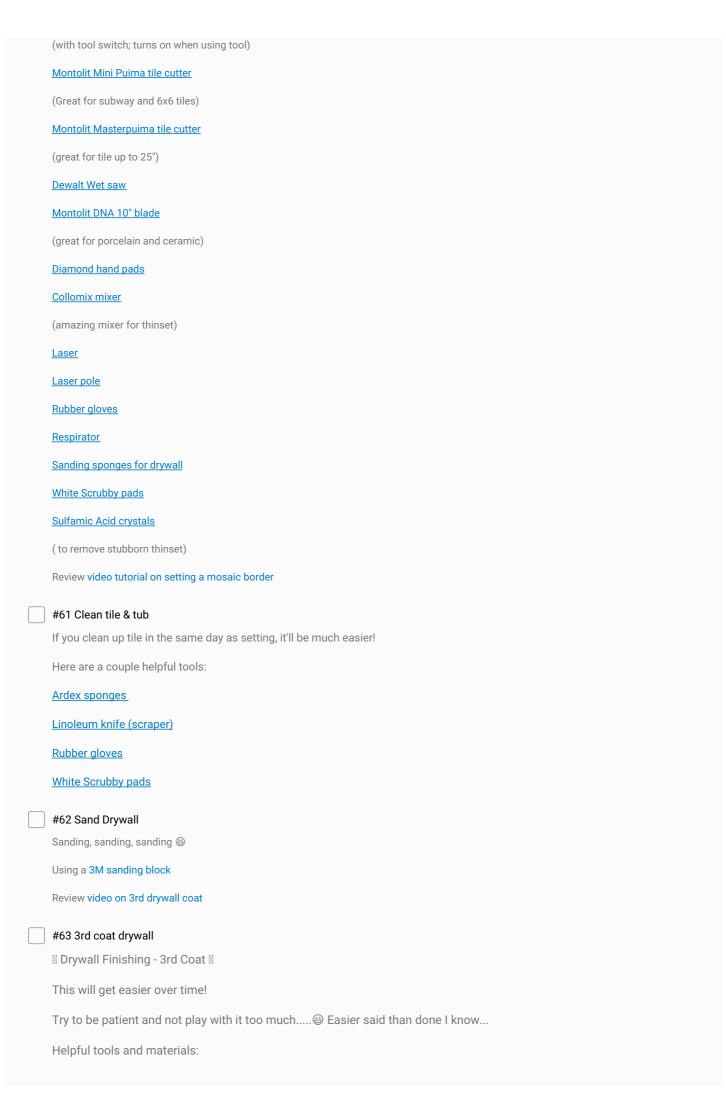
Review video tutorial on setting mosaics

Day 5 #57 Tile plumbing wall ♦ Tiling Plumbing Wall & Niche ♦ Here's the drill 🛭 Set your <u>laser</u> 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")

<u>Diamond nand pads</u>
Collomix mixer(amazing mixer for thinset)
<u>Laser</u>
<u>Laser pole</u>
Rubber gloves
<u>Respirator</u>
Sanding sponges for drywall
White Scrubby pads
<u>Sulfamic Acid crystals(</u> to remove stubborn thinset)
Review video tutorial on tiling plumbing wall
#58 Tile Niche
Set sill of niche first
NYou 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 <u>Day 4</u>
MHere'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

Tamp into place with	
grout float	
Space with spacers	
<u>Horseshoe shims</u> 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:	
<u>1/4" x 1/4" trowel</u>	
Wood float	
(embed ditra)	
Grout float	
<u>Ditra</u>	
<u>Ditra Trowel</u>	
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)	
<u>Cordless grinder</u>	
(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	

 $\label{poly} \textit{Apply thinset-can be as thick as needed to bump out mosaics flush with other tiles Set back wall first$



<u>Paper tape</u>
Dewalt drywall knife kit with pan
Mixing paddle
3M sanding block
<u>Respirator</u>
Review video tutorial on 3rd coat
#64 Set tile floor
☐ Setting Tile Floor ☐
MBe sure to refer to <u>Tile layout and Prep</u> if you do not have tiles preliminarily cut and ready to set
Also be sure to reference <u>tutorial on recommended thinsets & coverage</u>
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
<u>T-lock</u>
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 <u>Schluter Rondec</u>
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")

Plus 3 drywall mud

(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)
<u>Ditra</u>
<u>Ditra Trowel</u>
Kerdi Band
Kerdi Trowel
<u>Ardex sponges</u>
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)
<u>Cordless grinder</u>
(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")

T-lock Leveling System

<u>Dewalt Wet saw</u>

	Montolit DNA 10" blade
	(great for porcelain and ceramic)
	<u>Diamond hand pads</u>
	Collomix mixer
	(amazing mixer for thinset)
	<u>Laser</u>
	<u>Laser pole</u>
	Rubber gloves
	<u>Respirator</u>
	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
	Neview video tutorial ori setting the
	#66 Set floor edging
	Set edging at doorMy favorite is <u>Schluter Rondec</u>
	Review video tutorial on setting floor tile
Da	y 6
	#67 Sand Drywall
	Sanding, sanding and sanding a
	Using a <u>3M sanding block</u>
	Review video on touch-ups
	#68 Touch-up drywall WFinal 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
	<u>5 minute mud</u>
	If needing more time, there is 20, 45 &
	If needing more time, there is 20, 45 &

Helpful tools and materials:
<u>Ardex sponges</u>
<u>Respirator</u>
Sanding sponges for drywall
White Scrubby pads
<u>5 minute mud</u>
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 methis 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 <u>rubber mallet</u> to 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 grouting This could harm grout if left in joints
<u>Linoleum knife (scraper)</u> is great for this!
Especially if you used sulfamic acid
Helpful tools and materials:
Ardex sponges
Linoleum knife (scraper)
<u>Diamond hand pads</u>
<u>Rubber gloves</u>

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 $\underline{\text{mini kits}}$

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 <u>Grout float</u> 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)
<u>Ardex sponges</u>
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 <u>3M sanding block</u>
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 homelf 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)

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; use Microfiber clothes It 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 **1** 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 firstl 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-qts (dripfree 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 neededlf you run vent fan and/or of a fan moving air in bath, you can get second coat on fairly quickly

After 10 minutes or so test joint with fingerlf grout is coming out of joint wait another 5-10 minutes You want to be able to

Other helpful tools:
Paint tray
Paint tray liners
9" Roller
3/8" nap rollers
<u>2 1/2" brush</u>
<u>drywall primer</u>
Sherwin Williams 1050 QD
Newborn 950-gts (drip-free caulking gun)
Review video on painting ceiling
#77 Shower trim
This is an easy step ©
Helpful tools & materials:
Klien Temp reader
<u>Teflon tape</u>
<u>Pipe sealant</u>
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 the Purdy 2 1/2" brush
My favorite paint it <u>Super paint</u> 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
<u>Paint tray liners</u>
9" Roller
3/8" nap rollers
<u>2 1/2" brush</u>
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 version <u>Latasil matching caulk</u>
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
<u>Caulking tools</u> can work great too
Helpful tools & materials:
Newborn 950-gts (drip-free caulking gun)
GE Kitchen & Bath Caulking
Latasil matching caulk
<u>windex</u>
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
<u>Marshalltown floats</u> are a favorite of mine ${\mathbb N}$
You won't regret using a good <u>Ardex sponge</u>

	Helpful tools and Materials:
	Spectralock1
	Grout float (Marshalltown)
	<u>Ardex sponges</u>
	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	y 7
Da	
	#82 Replace 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
	<u>Linesman stripping pliers</u>
	Klien electrical tester
	<u>Ideal Wire nuts</u>
	Klein screw driver set
	<u>electrical tape</u>
	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 <u>15 amp GFI device</u> is sufficient for bathrooms, but the actual line feeding GFI should be <u>20 amp wire</u>
	Review GFI installation video
	#84 New breaker for GFI
	There are many different manufacturers that make Breaker Panels

Some common ones are:
<u>Murray</u> (siemens)
<u>Cuttlerhammer(eaton)</u>
Square D
<u>GE</u>
<u>Leviton</u>
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:
<u>Linesman stripping pliers</u>
Klien electrical tester
<u>Ideal Wire nuts</u>
Klein screw driver set
electrical tape
<u>Hilti drill kit</u>
<u>Headlamp</u>
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)
<u>Channel locks</u>
Stud finder
Hilti drill set
Spigot adapter (1 1/4")
female trap adapter (1 1/4")
Milwaukee hole saw kit

<u>Teflon tape</u>
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
The hardest part is selecting a vanity ⊜
The <u>vanity in this video</u> 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 <u>free-standing vanities</u> 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)
<u>Channel locks</u>
Stud finder
Hilti drill set
Spigot adapter (1 1/4")
female trap adapter (1 1/4")
Milwaukee hole saw kit
Porter Cable Electric Planer
<u>Teflon tape</u>
<u>T2 sealant</u>
1/4 turn valves (3/8 thread)
Milwaukee grinder
Montolit STL blade
water clear silicon
GE white kitchen & bath silicone

Porter Cable Electric Planer

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
<u>Channel locks</u>
<u>Deburring tool / Depth gauge for sharkbites</u>
Sharkbite removal tool
<u>Teflon tape</u>
<u>Pipe sealant</u>
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 Delta
Moen
Vigo
A great place to browse faucets is Build.com
Helpful tools and materials:
<u>Teflon tape</u>
<u>T2 sealant</u>
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 thisbut 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 <u>standard 4" round box</u>
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 <u>Old work box</u> 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
<u>Ideal Wire nuts</u>
Klein screw driver set
<u>electrical tape</u>
pigtail ground line
4" Pancake box
standard 4" round box
Old work box
Review video tutorial on installing a light fixture
#94 Install Mirror
An easy installation
Helpful tools and materials:
<u>Laser</u>
<u>Laser pole</u>
Klien anchors
Review video tutorial on hanging a mirror
#95 Install toilet
NToilet Installation
One of my favorite toilets of all time is the <u>American Standard Cadet 3</u>
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:
<u>10"</u>
12" (most common)
<u>14"</u>
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 <u>Sani-seal Foam gasket</u>
Helpful tools and materials:
American Standard Cadet 3

Oatey Wax ring

Oatey Extension ring
White Silicone
Matching caulk for grout
Windex with Vinegar
<u>Linesmans</u> (to cut toilet bolts)
Hilti screw gun kit
Newborn caulking gun
Review video tutorial on installing a toilet
#96 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 <u>followed guidance on Day 4</u> , it can still be frustrating with cheaply manufactured accessories
Take your time installing, you'll get it!
A <u>Laser</u> makes things much easier
Helpful tools and materials:
Toggle bolts
Milwaukee Diamond Plus
<u>Laser</u>
<u>Laser pole</u>
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 rodsless likely to fall out of place
Helpful tools and materials:
Toggle bolts
Milwaukee Diamond Plus
<u>Laser</u>
<u>Laser pole</u>
Makita drill
Review video on installing acessories
#98 Carpet Tuck
MMCarpet TransitionMM
This is it!! Congratulations you did it MI

Sani-seal Foam gasket

This always seems to be the last task for me
Helpful tools and materials:
<u>Carpet tack strips</u>
<u>Linoleum knife</u>
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
MRemodel 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!
MCustom Tile Shower Online Course MEnroll M
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
Division a seffect to
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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