



RUSTIC CONCRETE WOOD

STEP-BY-STEP MANUAL





PERSONAL PROTECTION

It's always recommended to wear the appropriate Personal Protective Equipment (PPE) for the task at hand and follow your employer's safety policy. Commonly known PPE such as safety glasses, gloves, earplugs, respirators, etc, are recommended as needed.

For further information on OSHA requirements, visit <https://www.osha.gov/Publications/osha3151.pdf>

INSTRUCTIONS:

PREP

(For in-depth instructions, see Prep Manual)

- 1 Prep surface to be coated by shot blasting/grinding/acid washing, etc...
- 2 Use appropriate TCP repair products to fill holes, cracks & control joints
- 3 Thoroughly clean surface
- 4 Protect surfaces not to be coated using specialty tape, paper, plastic, etc...

GROUT COAT

- 1 Set up mix station
- 2 If spraying, set up and test spraying equipment
- 3 Using "mixed" HD Resin (1:1 with water), combine "mixed resin" (7-9 qts.), texture mix (1 bag), and mineral pigment for desired color
- 4 Mix for 3-5 minutes
- 5 Using a magic trowel, or hopper spray gun, apply grout coat over surface
- 6 Let dry
- 7 Address imperfections in grout coat by scraping
- 8 Using stencil tape, tape out design

TEXTURE COAT

- 1 Using "mixed" HD Resin (1:1 with water), combine "mixed resin" (7-9 qts.), texture mix (1 bag), and mineral pigment for desired color
Mix for 3-5 minutes
- 2 Using a magic trowel, or hopper spray gun, apply texture coat over 3-4 "planks" at a time, adding wood grain appearance with modified angled broom (knots should be added at this time, if desired). For the alternative Hand Troweling Method/ "Rough Cut" or "Rough Hewn" Rustic Wood, check out our course on Decorative Concrete University.
- 3 Repeat until entire surface is covered
- 4 Address imperfections in texture coat by scraping
- 5 Pull tape
- 6 Remove all dirt and debris from floor
- 7 Apply stain using desired technique
- 8 Let dry

To learn advanced repair products, techniques, and in-depth methods on this system, go to decorativeconcreteu.com or scan our QR code.



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SEALING

INTERIOR:

- 1 Apply Neat Coat Epoxy (2 Parts A to 1 Part B)
- 2 Apply desired top coat (optional)
- 3 Remove all protective specialty tape, paper, plastic, etc...
- 4 Make sure project area is clean, presentable, and free from debris

EXTERIOR:

- 1 Apply Acrylic Sealer
- 2 Apply 2nd coat of Acrylic Sealer
- 3 Remove all protective specialty tape, paper, plastic, etc...
- 4 Make sure project area is clean, presentable, and free from debris



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PRODUCTS & COVERAGE

Appropriate Concrete Protector repair products (see Prep manual)

SKU:	PRODUCT:	COVERAGE:
1 DM-3913	Concrete Protector Texture Mix	150-250 sq. ft. per bag/ *Dry Time= 1-6 hours
2 DM-5406	Concrete Protector HD Resin	Mixes 3-5 bags of texture mix
3 DC-2022 thru DC-2099	Concrete Protector Mineral Pigment Colorants	1-7 oz. per bag

SEALER OPTIONS

SKU:	PRODUCT:	COVERAGE:	DRY TIME:
1 SE-2807	> Barricade 50 Acrylic	mixed 1:1 with approved solvent, 140-200 per. sq. ft. per gal.	*Dry time = 1-3 hrs.
2 SE-2803	> Acrylic Shield 25	140-200 sq. ft. per gal.	*Dry Time = 1-3 hrs.
3 EN-6303	< Epoxy Neat Coat	55-120 sq. ft. per gal.	*Dry Time = 8-16 hrs.
4 UT-4501	< WB 421 Gloss**	175 - 500 sq. ft. per gal.	*Dry Time = 5-7 hrs.
5 UT-4499	< WB 221 Satin**	175 - 500 sq. ft. per gal.	*Dry Time = 5-7 hrs.
6 TJ-3125	< Satin Armor Acrylic Floor Finish**	1,500 - 3,000 sq. ft. per gal.	*Dry Time = 1-2 hrs.
7 TJ-3113	< High Noon Acrylic Floor Finish**	1,500 - 3,000 sq. ft. per gal.	*Dry Time = 1-2 hrs.

** Used as an optional top coat with Neat Coat Epoxy

* Coverages and dry times vary depending on application techniques and temperature

Estimations are based on 70 degrees, 30 percent relative humidity. For more information, refer to TDS sheets To learn advanced repair products, techniques, and in-depth methods on this system, go to decorativeconcreteu.com or scan our QR code.

> EXTERIOR ONLY

INTERIOR/EXTERIOR

< INTERIOR ONLY



TOOLS

SKU:	TOOL:	SKU:	TOOL:
1 TP-7517 & TP-7521	Stencil Tape	15 TL-7303	Pail Opener
2 TP-7507	2" Green Specialty Tape	16 TL-7127	Large Low Viscosity Wand (for mixing)
3 TL-7235	Mixing Tarps	17 ET-7255	1/8" Notched Squeegee
4 MX-3253	Drill Mixing Stand	18 TL-7103	Magic Trowel (18" is a popular size)
5 MX-3251	Hand Held Mixer	19 TCR-1001	WTF Top Coat Roller
6 MX-3245	Mixing Paddle	20 RL-4317	Roller End Caps
7 RL-4321	3/4" Nap Jumbo Roller Cover	21 RL-4309	18" Paint Tray
8 RL-4303	HD Jumbo Frame	22 TL-7353, TL-7349	Spiked Shoes
9 TL-7361 thru TL-7365	Assorted Mixing Containers & Cups	23	5 Gallon Mixing Buckets
10 RL-4325, RL-4335, RL-4319	4", 9", or 18" Roller Frames	24	Low-Speed Drill
11 RL-4323, RL-4341, RL-4313	4", 9", or 18" - 3/8" Nap Roller Covers	21	Angled Broom
12 TL-7393, TL-7395	Threaded and Tapered Roller Poles	22	Tape Measures or Pre-Cut Sticks
13 RL-4343	2" Chip Brushes		
14 TL-7107	Stand Up Metal Scraper		

COST & PRICING

- 1 Typical Product Cost: \$1 - \$2 per sq. ft.
- 2 Typical Pricing: \$8 - \$12 per sq. ft.

BENEFITS & FEATURES

- 1 Super durable & easy to maintain
- 2 Indoor / Outdoor installations
- 3 Unlimited color selections
- 4 Not affected by floods if installed in a basement
- 5 Perfect to be installed over heated slab applications
- 6 Great for people with big pets
- 7 Environmentally friendly & sustainable
- 8 Application temperatures between 55-95 degrees

The Concrete Protector is "The Originator" of the Rustic Concrete Wood system . . . definitely the HOTTEST decorative concrete resurfacing system in the world!! This system provides the timeless look of hardwood floors with the durability of concrete.

Our Rustic Concrete Wood System starts with an industrial cementitious coating that is actually stronger than concrete itself. We use a combination of taping, troweling, and staining techniques to give the rich feel of reclaimed hardwood. Our system gives you grain, knots, and nail holes that you can actually feel. We have witnessed many people on their hands and knees because they couldn't believe it wasn't real wood. A wide selection of stains allows for concrete wood in any color imaginable, from rustic to super modern.

With Rustic Concrete Wood, you don't have to worry about moisture damage or other problems associated with laminate surfaces. Our sustainable, pet-friendly coating can permanently transform any basement, family room, patio, porch, garage floor, showroom, or commercial space. This system is excellent for restaurants and even floors that handle vehicle traffic!

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TIPS & TRICKS

1 RESIN:

Make sure you use cool water to mix your resin. Don't use water that has been baking in the sun all day from a garden hose. Hot mixed resin = faster texture = less fun. 😊

Mixed Resin = 1:1 mix of concentrated HD Resin + Water.

When making "Mixed Resin", do not spray the top of the resin from the nozzle of a garden hose (this will cause the resin to foam and it will take longer to fill properly).

2 TOOLS & MASKING:

Keep your magic trowels clean. Designate certain trowels for texture and other trowels for epoxy. Magic trowels with dried epoxy or texture on them will not allow you to put your texture down as smooth as possible.

When masking walls, use painter's tape along the base molding (approximately 1/16" up from the floor). Run 1/2" stencil tape on top of the base of the painter's tape (this fiber reinforced tape makes it easier to pull tape when finishing up).

3 GROUT COAT:

When applying grout at the recommended square footage, when it is dry, it should feel like sandpaper. Also, DO NOT apply too thick (trying to create "build") with this coat. This texture, at this viscosity, is NOT meant to fill or be applied thick.

Wait until the grout coat is completely dry before attempting to design your wood planks with stencil tape. On interior projects, this means waiting until the next day.

4 DESIGN:

To keep things random, use three different sized sticks (pre-cut paint sticks or wood trim pieces) to quickly measure each plank. 7", 9" & 11" sticks are three example combinations for varied plank sizes. Use random sizes to keep things stress free (and looking natural).

Write sizes on your wooden sticks. If doing 7, 9, and 11-inch width planks . . . write 7, 9 and 11 on your measuring sticks with a black magic marker. You'll want to have two of each size (one set for each worker designing the planks).

End of planks/cross pieces: Randomly place tape 3/4 of the way across the plank/tape to create the end of planks.

When taping and walking back toward your helper, you'll want to walk on the tape line to tack it down.

Use a 4" or 6" mini roller frame + cover on a broom handle (roller cover has tape wrapped around it to stiffen it) and roll up and down the tape line to tack the tape down tightly to the grout coat. Don't roll before walking down the tape first (the line can get wavy if you don't walk on it first).

5 TEXTURE COAT:

Magic trowel technique: Pour puddle of texture down and magic trowel from one side of the room to the other side focusing on coating 3-4 planks at a time (depending on your plank widths). You want to be able to still faintly see the tape through the texture.

When using an angled broom, it is essential to first cut the soft-bristled ends (the "fuzzy" part of the broom) off with scissors. You need the stiffness of the upper bristles to make the grain impression.

There is no need to put down pressure on the angle broom. The weight of the broom is all you need. Make sure not to drag excess texture to the ends of your boards

Don't try to get fancy and "artistic" here with the angle broom. Just walk straight.

When brooming texture across the floor, continue until you are several feet away from a wall and pick up on the broom. Put the broom against the other wall and broom back into AND past where you just textured and pick up on the broom.

6 CREATING KNOTS:

LESS IS MORE when it comes to making knots!

With a 2" brush, twirl, then extend the markings above and below the knot (study the way real wood knots look and you'll know what we're getting at) or you can stab the wet texture with brush and do a quick twist in one direction . . . There really is no wrong way to do this . . . ugly knots look good when stained! Smaller knots look better than bigger knots.

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TIPS & TRICKS (CONT.)

Alternative Hand Troweling Method/ "Rough Cut" or "Rough Hewn" Rustic Wood. Check out our courses on Decorative Concrete University!

7 SCRAPING & PULLING TAPE:

SCRAPE IN THE DIRECTION OF THE WOOD GRAIN!

When removing tape, put pressure and pull on the tape towards you as you lift up the lines of tape. IF you pull/bend the tape over against the texture, you will leave many strands of tape fiber embedded (and you'll have to spend a bunch of time trying to scrape it out).

If creating nail holes at the end of your planks, now is the time to do so.

When sweeping and vacuuming up the debris from scraping and pulling tape, **DO NOT ROLL YOUR VACUUM** across the floor. You may (and probably will) leave marks across several planks if you do. **PICK UP** the vacuum, set it down and repeat this process as you need to.

8 STAINING:

Staining the whole floor by hand looks the most realistic.

Here is one stain formula to follow:

On your main color of the floor, hand stain approximately 70% of the floor with 4 parts water to 1 part Classic Rustic Concrete Wood Stain. Walking around in your socks and moving around to random boards (while having your stain in a 16oz squat cup) is the way to go. On 15 % of the floor, dilute the stain concentrate 6 parts water to 1 part concentrate stain (for lighter colored boards). On the remaining 15% of the floor, mix up a new batch of stain at 3 parts water to 1 part concentrate stain (and apply a bit heavier) for darker colored boards. Bark Brown can be used as well for darker boards (or use a mix of 50/50 Classic Rustic Concrete Wood Stain + Bark Brown).

Use a quality paint brush to stain. A 3" paint brush is a good size to utilize.

With the corner of your brush, soak up some stain and then let it drip into your knot texture. This puddled stain will randomly flow around the knot texture and dry darker than the rest of the board.

9 SEALING:

EXTERIOR -

Work in smaller areas. Roll out sealer and then crosshatch without re-dipping. **"Thin to win"**.

Seal when surface temps are steady or going down (evening is typically a good time to seal). When slab temps are increasing, concrete is breathing out and bubbles can happen. When slab temps are decreasing, concrete is breathing in / sucking the sealer into it.

If you see "spiderwebbing" in the acrylic sealer while rolling, it means that area is already drying or your roller is dry.

Wait until the first coat is not sticky to do the second coat (you don't want to step in sticky sealer and cause discoloration or damage to your uncured coating.)

INTERIOR -

The **MOST IMPORTANT TIP:** **"OUT OF THE BUCKET AND ONTO THE FLOOR."** Leaving the epoxy too long in the bucket will cause it to heat up and start smoking. **DO NOT POUR HOT EPOXY ON YOUR PROJECT.**

Use The Concrete Protector's **large low viscosity mixing wand** for mixing Neat Coat Epoxy. This is the correct mixing wand to ensure that you are not whipping air into your epoxy.

Whenever you break a kit of Neat Coat Epoxy, you must premix Part A for 3 minutes **BEFORE** pouring out of the bucket.

1.5 - 3 mixed gallons at a time is a typical amount to work with.

Do not use a high-speed drill. Do not mix so fast that you get the "tornado effect" in the product as it spins around the bucket. At this speed, you may suck air down into the epoxy . . . potentially entrapping it and possibly causing bubbles.

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TIPS & TRICKS (CONT.)

Make sure the room is at a steady temperature or the temperature is on the decrease when applying the epoxy. A room with floor temps rising while curing may cause the slab to breathe out and possibly cause outgassing bubbles.

Do whatever it takes to control room temps. If it means putting aluminum foil on the windows to block and reflect the sun, then do it.

Use the appropriate labor force for the job that you're doing. Most residential projects may require 3 workers. One person dedicated to mixing only. One person as your "runner", taking buckets of mixed epoxy from the mixing area to the floor, and one person as the main applicator/finisher.

Make sure you have a "mixing bucket" and a "job bucket". When mixed epoxy is poured into your job bucket, make sure that the job bucket is sitting on a clean surface.

IF wearing spiked shoes when applying your epoxy, make sure you are wearing dull or rounded spikes. Sharp spikes + a heavy installer = floor damage. Consider investing in rubber sport cleats if you need to walk in your epoxy while installing.

10 REPAIRS IF NEEDED:

Scratches: Using a non-scratch Scotch Brite pad, rub surface, then clean to see if that removes the scratch. You may then have to "spot wax" with our acrylic floor finish (High Noon or Satin Armor Floor Finish) . . . only if necessary. If there is a deeper scratch and the Scotch Brite pad/wax doesn't do the trick, use 220 grit sandpaper or screen (or higher) to lightly sand the spot/area then 1 - 3 coats of acrylic floor finish.

If damage occurs through your top seal coats and into your texture coat, a furniture wood stain pen is a good tool for stain touch-ups.

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COLOR CHART

CEMENTITIOUS COLOR CHART



Use this color chart **ONLY** when integrally coloring your texture mix and **NOT** when you plan on staining after texture is set.

Almond:	1 tbsp. brown + 1 tbsp. yellow + 1 tbsp. black	Mocha:	7 oz. brown
Amazon:	3 oz. black + 4 oz. green + 1/4 oz. yellow	Moss Green:	2 tbsp. black + 1 tbsp. yellow
Berkley Brown:	7 oz. brown + 3 oz. black	Navajo:	2 tbsp. brick red + 2 tbsp. brown + 3 tbsp. black
Butterscotch:	3 tbsp. brown + 1 tbsp. yellow + 1 tbsp. black	Palisades:	5 tbsp. black + 4 tbsp. brown + 1 tbsp. yellow
Cajun Red:	3 tbsp. brick red + 2 oz. black	Platinum:	3 oz. black
Carioca:	4 oz. brick red + 3 tbsp. black	Promenade:	1/2 oz. black
Colony Buff:	1/2 oz. buff	Rambling Rose:	6 tbsp. black + 2 tbsp. brick red
El Dorado:	3 oz. buff	Roman Red:	6 oz. of brick red + 2 oz. of black + 2 oz. of brown
Fiesta:	3 oz. brick red + 1 oz. yellow + 2 oz. brown	Sandstone:	1/4 oz. buff
Grenada Green:	4 tbsp. black + 2 tbsp. yellow	Sanibel Sand:	1/2 oz. buff + 1/4 oz. black
Gibraltar Gray:	1 oz. black	Stone:	3 tbsp. black + 1 tbsp. brown
Mesa Buff:	2 oz. black + 2 oz brown + 2 oz yellow	Texas Tan:	1 oz. buff
Midnight Gray:	7 oz. black	Tungsten Grey:	1/4 oz. black

COLORS ARE APPROXIMATE: Accent, measurement, and the way they are sprayed can affect final color shade: 1.5 Tbsp.* = 1 oz.; 1 capful = 1 oz.; 32 oz. = 1 quart (Some measuring cups are marked in ounces) *tbsp. = tablespoon • tsp. = teaspoon

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COLOR CHART

NATURAL MINERAL STAINING CHART



BUFF SAND



SLATE GRAY



DEEP PINE



ANTIQUE GRAY



NUTMEG



SLATE BLUE



DARK BROWN



DARK RED



CRIMSON WALNUT



TERRA COTTA



CEDAR RED



CHESTNUT BROWN

1. Combine 3 parts of water with 1 part of RTU Resin 2. Stir until blended 3. Add desired color combination from chart

Buff Sand:	3 oz. Buff
Slate Gray:	2.5 oz. Black + .5 oz. White
Deep Pine:	2.5 oz. Black + .5 oz. Green
Nutmeg:	1.5 oz. Buff + 1.5 oz. Black
Slate Blue:	2.5 oz Black + .5 oz. Blue
Cedar Red:	2 oz. Buff + 1 oz. Red
Dark Brown:	1.5 oz Brown + 1.5 oz. Black
Dark Red:	1.5 oz. Red + 1.5 oz. Black
Crimson Walnut:	1.5 oz. Red + 1.5 oz. Brown
Antique Gray:	Tbsp. Graphite Metallic
Chestnut Brown:	2 oz. Buff + 2 oz. Brown...OR (1 oz. Red + 1 oz. Yellow + 1 oz. Black can produce a similar color)
Terra Cotta:	2 oz. White + .5 oz Red + .5 oz. Yellow + .25 oz. Black

SMITH STAINS COLOR CHART



AMBER



BARK BROWN



DESERT SAND



WOOD FLOOR

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