



DECK SURFACING INSTALL INSTRUCTIONS

PART 1 GENERAL

- 1) DESCRIPTION
 - A) The Rebound Pool Surfacing System is a super bonding, flexible synthetic resin and thermoplastic solid membrane coating system which forms a cost effective, durable, anti-skid, chlorine, UV and chemical resistant surface over properly prepared substrates.
- 2) DELIVERY, STORAGE, AND HANDLING
 - A) Keep covered and unopened until ready for use.
 - B) The polymer has a one year shelf life when unopened.
 - C) Avoid storing in the direct sun until ready to use. This will affect the speed it cures.
- 3) FIELD CONDITIONS
 - A) Do not apply if precipitation is expected within a forty-eight (48) hour period before or twenty four (24) hours after install.
 - B) Windy days can cause leaves and other debris to fall onto the deck and stick to the surface after the first application.
 - C) Pot life is affected by surface and ambient temperatures and humidity.

PART 2 PRODUCTS

- 1) MATERIALS
 - A) One Component Primer/Bond Coat.
 - B) Fluid-Applied Flexible Synthetic Polyurethane (Aliphatic)
 - C) Thermoplastic Colored Granules .5 to 1.5 mm (TPV)
 - D) Clear Top Coat (Acrylic)
- 2) ACCESSORIES
 - A) See Equipment List at the end.

PART 3 EXECUTION

- 1) **REBOUND WILL STICK TO ALMOST ANYTHING IT GOES ON. COVER WHAT YOU WANT PROTECTED! REBOUND CAN WICK UNDER TAPE ON NON-SMOOTH SURFACES.**

2) EXAMINATION

- A) Examine substrates and adjoining construction, and conditions under which work is to be installed. Do not proceed with work until unsatisfactory conditions are corrected.
- B) Verify the following surface conditions before application of Rebound Surfacing System:
 - 1) New concrete has cured for a minimum of 28 days and is free of moisture, not just surface moisture. If unsure, test with 12"x12" plastic taped down in direct sun. Check after a few hours for moisture under the plastic. **Any moisture will cause Rebound to not adhere and could create a vapor blister.**
 - 2) The surface has a minimum roughness of CPS2, but preferably CPS3. (See website ICRI.org) Similar to a medium to rough broom finish.
 - 3) Surfaces are free of voids, spalled areas, loose aggregate and sharp protrusions.
 - 4) Surfaces are clean with no dust or chalking.
- C) **The surface is one that Rebound will adhere to. It is recommended to test a 6"x6" area before continuing.**

3) SITE STAGING

- A) Clean and blow off the area around the deck.
- B) Cover all work areas with plastic, once Rebound dries, it will not come off most surfaces.
- C) Designate two areas, one for mixing the polymer and one for mixing the granules (If not premixed at your shop). The polymer can be mixed on the deck surface where it will be applied to help avoid spills and stains.

4) PREPARATION

- A) Tape skimmer covers and other items.
- B) Substrates must be structurally sound and free from grease, oil, dirt, dust, sealers, water repellents and other foreign materials which may interfere with proper bonding. **If unsure, do a test area before continuing.**
- C) Adheres to properly prepared concrete, plaster, rock / pebble surfaces, brick, and some epoxy surfaces. Use Rebound primer for unknown surface coatings. **Test to see that Rebound adheres before proceeding.**
- D) Smooth troweled concrete must be roughened to ensure a good bond or use Rebound Primer as a bond coat. Go over the primer with the polymer in 3 hours even if not fully dried. Do not let the primer bake in the sun. It will get hard and tougher to adhere to. It is okay to go over while it is still somewhat wet.
- E) If patching of the concrete surface is necessary, use concrete patch filler and flexible joint fillers (not silicone based products). Allow to dry and off gas.
- F) For cracks use a flexible caulking, like Dap Alex Fast Dry. For wide gaps like large control joints, fill with a caulk backer first.
- G) Surface prep may be accomplished by either shot blasting, sand blasting, mechanical sanding, acid etching or power washing with min 3500 psi.
- H) To go over tile, grind off the glaze or top 1/16" from the face profile to allow a surface for Rebound to adhere to. Rebound primer is recommended for going over larger than 2"x2" tile.
- I) Tape off items that need to be protected and cannot be removed. Clean off any Rebound immediately if it gets on areas accidentally.
- J) Additional Preparations:
 - (a) All adjoining surfaces, drains, curbs and copings, to be 3/16" inch higher for Rebound to terminate flush. If necessary, grind 1/8" deep by 1-1/2" inch wide bevel.
 - (b) Rebound will self level against walls at applied thickness.

- K) Coping - Tape bubble wrap along waterline tile to capture granules from going into the pool. Bubble wrap comes in different widths and bubble thicknesses, most will work, we recommend at least 18" wide. Hold mud pan below coping when broadcasting to catch granules and reuse.

5) INSTALLATION - DECKS

- A) If using the Rebound primer for smooth, previously coated surfaces, unknown coatings, etc, apply in a complete coating as thin as possible. Target 350 sf/gal.
- B) Apply polymer between 50 and 105 degrees and where the surface and ambient temp will be above 50 degrees for 8 hours after applying the polymer to cure properly.
- C) The polymer is a 2 part mixture that has an A and B component. Shake part B then pour completely into part A. Mix with a paddle mixer until fully combined. Be sure to get all the product off the bottom and sides.
- D) Half Kits (Small) have Red labels on both Part A (3 gal bucket) and Part B (1 gal can). Full Kits (Large) have Green labels on both (5 gal bucket and 1 gal can).
- E) The pot life depends on temperature and humidity and is roughly 25-45 minutes. Keeping the polymer cool and out of the sun before mixing will extend the pot life. When splitting the kits, stir Part A thoroughly before splitting as the contents could have settled over time. The ratio of A:B is 4:1.
- F) **The polymer needs to be recoated within 24 hours and should be somewhat tacky to the touch.** For best results apply the second layer, later the same day, once you are able to walk on the surface with vinyl tape on the bottom of your shoes. When the second coat will not be applied within 24 hours, due to rain or other issues, use Rebound primer to ensure the next polymer layer adheres.
- G) Mix the granules using a tripod type mortar mixer in correct quantities based on the chosen blend and place in buckets or back into the bags around the deck until needed. The mixer should be able to accomodate 1 bag or two 5 gallon buckets. (One bag of granules equals 10 gallons) See a picture of the correct type mixer on the Equip Needed list. Other mixers, like some concrete mixers, may be slow and not mix well and be too close to the ground to pour into buckets or bags.
- H) Pool Coping: Tape bubble wrap along waterline tile, floating bubble side down. 18" to 24" wide works well. For broadcasting, apply polymer along the coping face and approx 9" of the deck. This will keep granules from getting over your wet edge while doing the deck. Stay just ahead of the deck work. Hold a mud pan (used in drywall) along the bottom of the coping when applying the granules. Some granules will get into the pool, but throwing them away from the pool will keep it to a minimum.
- I) **Primer Layer**
- (a) Used as a bond coat for smooth, previously coated and unknown surfaces.
 - (b) Apply completely over the entire surface in a thin coat. Avoid puddling. Target 350 sf/gal.
 - (c) Best to apply late in the evening and coat over with polymer in the morning.
 - (d) Best to cover over in 3-12 hours, but okay to apply over while still somewhat wet.
- J) **Optional Polymer Only:** For uneven or very rough surfaces such as old exposed aggregate concrete. This coat will be Light Gray or White Polymer.
- (a) Use a brush to get around drains, thresholds, rocks, etc, build up if necessary. For larger than 1/4" buildup, mix poly and granules to form a paste and use a trowel. Allow to cure a few hours.
 - (b) Liquid is applied with 3/4" nap roller cover or notched speed squeegee (Recommended, from Seymour Midwest or Amazon, 25-30 wft) in one coat at approx 1/8" depending on surface conditions for the entire surface. Dip the roller into the bucket if rolling and use a new roller cover as needed. Back roll to get an even coat and eliminate bubbles. If some

bubbles appear, a blower on idle will pop them while the product is still curing. Target 240 sf/kit.

- (c) Filling voids and joints will use more polymer and is needed on this first coat. Plug the ends of expansion joints so polymer does not run out. Very rough exposed aggregate and uneven surfaces may use as much as 100 sf/kit.

K) First Broadcast:

- (a) Once the first layer has set and you can walk on it, approximately 2-4 hours. Use vinyl tape on the bottom of your shoes or use spike shoes to avoid disturbing the surface and sticking to it.
- (b) Use a 3/4" roller cover or notched speed squeegee (Recommended) and apply the second coat. Target 240 sf/kit.
- (c) Manually broadcast granules onto the wet surface until refusal or until liquid is completely absorbed. Areas where more is needed tend to look like shiny spots. Continue to look for these as some granules get absorbed over time, 15 to 30 minutes. Excess is okay, they will be reused the next day.
- (d) **Do not let the polymer dry before applying the granules. This will create bald spots. Communicate and work together.**
- (e) Work as a team so that the people applying the polymer stay just ahead of the people broadcasting. Keep a wet edge of polymer and keep granules away so they stay off the roller covers which will cause clumping.

L) Second Broadcast:

- (a) Dispose of leaves and other debris first. Use a concrete or asphalt spreader first, then plastic dust pans to scoop up the bulk of the granules. Broom and brush and then vacuum all loose granules from the entire deck to be reused on the next broadcast.
- (b) Repeat the process as above for this layer for both liquid and granules, this time using 3/4" roller cover or magic trowel (Smoother Trowel, from Seymour Midwest, Rebound or others). Target 125 sf/kit.
- (c) After a dry time of approximately 12+ hours, depending on the temperature and weather, the newly applied Rebound Surfacing is cured enough to walk on.

M) Clear Coat Layer:

- (a) Again use dust pans then brooms and shop vacuums to pick up all loose granules. **Vigorous brushing with stiff brushes and brooms will help to avoid granulation later for your customers.** A new inexpensive home carpet vacuum will also work well to knock off the barely stuck granules and suck them up to be reused. Do not power wash.
- (b) Apply the clear coat using a new pump up sprayer with the tip on fan mode. The Home Depot HDX model using the red tip works well. Go in one direction, then right away do a second coat in a perpendicular direction. Avoid puddling or too much overlapping. NO need to cover your shoes. Filtering the liquid first will help prevent clogs and dribbles if using a previously opened can. Target use of 150 sf/gallon per coat.
- (c) Keep water off for a minimum of 24 hours

- N) Yields: Primer, 1750 sf/5gal, Polymer, 100 to 240 sf/kit on first coat, depending on the surface. 240 sf/kit on the first broadcast, 125 sqft on the second broadcast, Clear Coat 2000 sf/5gal. Granules, .6 lbs per square foot per broadcast, .3 lbs net usage.

- O) Finishes thickness of the layers: 1) 1/32", 2) 3/32", 3) 3/16"

6) PROTECTION

- A) Prohibit traffic on floor finish for 24 hours after installation.
- B) Barricade area to protect flooring until fully cured.

7) KEY REMINDERS

- A) Rebound will stick to almost anything and may not come off. Cover what you want protected! Spray epoxy paint remover may work if needed.
- B) The surface must be “Bone” dry not just surface dry. Any moisture will cause Rebound to not adhere and could create a vapor blister.
- C) It is recommended to test a 12”x12” area before continuing to check for vapor and adhesion.
- D) Inadequate preparation of surfaces will virtually assure inadequate coating performance and adhesion.
- E) Use Rebound primer if the surface is smooth, previously coated or you are unsure of adhesion. Coat over between 3-12 hours.
- F) The polymer only layer needs to be recoated within 24 hours and should be grippy to the touch.
- G) Do not exceed the coverage guidelines as the coating will end up too thin.
- H) Do not let the polymer set up before broadcasting, this will create bald spots. Communicate and work together.
- I) After scooping the granules from broadcasting, use stiff brushes and brooms to knock free the loose granules on the floor, then vacuum them up into bags or buckets. The better this is done the less granulation your customers will have later. Some installers now add a pre-filter to backwash the initial granulation.
- J) All decks need periodic cleaning, just like other specialty surfaces to prevent standing water to create mildew and leave dark spots.

PART 4 DISCLAIMER

- 1) The information and recommendations in this document of preparation and installation procedures are to the best of our knowledge and understanding. However, since the conditions of handling and use are beyond our control, Rebound Pools, L.L.C. makes no guarantee of results, and assumes no liability for damages incurred by the use of our product.
- 2) The installer assumes all responsibilities for proper safety procedures, surface preparation and application of Rebound Pool Surfaces. The installer shall indemnify and hold Rebound Pools, L.L.C. harmless from any claim, action, damages, or liability asserted by any third party against Rebound Pools, L.L.C. because of any Rebound Pools, L.L.C. product used by the installer, and the installer shall maintain coverage sufficient to hold Rebound Pools, L.L.C. harmless under this indemnity.

PART 5 EQUIPMENT

1) <u>EQUIPMENT NEEDED</u>	<u>Qty</u>	
Electric Tripod Type Mixer	1	
Heavy Duty Drill	1	
Blower	1	
Shop Vac	1	
Extension Pole 3'-6'	2	
Notched Speed Squeegee	1	Available thru Rebound 18” or 24”
Magic Trowel	1	Available thru Rebound 18” or 24”

Heavy Duty Roller Frames	2	(Optional)
Paddle Bit	1	
Spike Shoes Pointed	2	Available thru Rebound, good type
Stiff Brush	2	
Stiff Broom	1	
5 Gallon Buckets		

2) <u>PRODUCTS CONSUMED</u>	<u>Qty</u>	
Roller Covers 3/4" Lint Free	6	(Optional)
Red Poly Tape 2"	4	Available thru Rebound
Plastic 10x25 4 mil	1	
Bag of Rags	2	
Nitrile Gloves (box)	1	
3" Chip Brushes	10	
Small Buckets		

PART 6 FIRST AID MEASURES

1) GENERAL NOTES

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash hands thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/eye protection/face protection.

In case of inadequate ventilation wear respiratory protection.

IF ON SKIN: Wash with plenty of water/soap.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Dispose of contents/container to approved waste disposal.