



POOL SURFACING INSTALL INSTRUCTIONS

PART 1 GENERAL

Updated 3/01/23

- 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 after install.
 - B) Windy days can cause leaves and other debris to fall into the pool and stick to the surface after the first application.
 - C) Pot life is affected by surface and ambient temperature and humidity.

PART 2 PRODUCTS

- 1) MATERIALS
 - A) Fluid-Applied Flexible Synthetic Polyurethane (Aliphatic)
 - B) Thermoplastic Colored Granules .5 to 1.5 mm (TPV)
- 2) ACCESSORIES
 - A) See Equipment Needed list at the end.

PART 3 EXECUTION

- 1) **REBOUND WILL STICK TO ALMOST ANYTHING IT GOES ON AND MAY NOT COME OFF. COVER WHAT YOU WANT PROTECTED! THE POLYMER CAN WICK UNDER TAPE ON NON-SOLID SURFACES SUCH AS CONCRETE.**
- 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 substrate 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 ICR1.org) Similar to medium to rough broom finish.
 - 3) Concrete surfaces are free of voids, popped plaster, spalled areas, loose aggregate and sharp protrusions.
 - 4) Surfaces are clean with no dust or chalking.
 - 5) **The surface is one that Rebound will adhere to. It is recommended to test a 12"x12" area before continuing.**

3) SITE STAGING

- A) Clean and blow off the area around the pool.
- B) Cover all work areas with plastic. Once dried, Rebound will not come off most surfaces.
- C) Designate two areas, one for mixing the polymer and one for mixing the granules. Mixing the polymer can be done on the deck to be coated or in the pool for most of the area being covered.

4) PREPARATION

- A) Remove drain covers, lights and other items to be put back on when completed.
- 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.
- C) Smooth steel troweled concrete must be roughened to ensure a good bond or use a scratch coat. Rebound #1250 Primer can also be used.
- D) If patching of the concrete surface is necessary, use concrete patch fillers and flexible joint fillers (not silicone products). Using a product like Crown-Flex will allow covering over in 12 hours.
- E) Surface prep may be accomplished by either shot blasting, sand blasting, mechanical sanding, acid etching or power washing. Finishing cleaning surface with minimum 3500 psi power washing.
- F) If calcium buildup is very heavy, use a 5000 psi power washer.
- G) If the surface is cleaned with muriatic acid, it must be thoroughly neutralized. Then power washed completely.
- H) To go over tile, grind off the top 1/16" from the face profile to allow a surface for Rebound to adhere to.
- I) Adheres to properly prepared concrete, plaster, rock / pebble surfaces, and brick. Other surfaces may need additional prep, such as; steel, composite, fiberglass and polymer walled pools. This includes sanding, roughening the surface and using a primer, Rebound #1250 Primer or Amerlock 400. Do not use directly over acrylic or chlorinated rubber coatings. (See Determining Pool Coating Sheet). Use either of the primers listed above as a bond coat if unsure of the coating. **Always test for adhesion.**
- J) Tape off items that need to be protected and cannot be removed. Clean off any Rebound immediately if it gets on areas accidentally.
- K) It is best to not tape off the waterline tile. The polymer will draw under the tape and stick to the grout. Brush the polymer under the tile and wipe off any that gets on it.
- L) Additional Preparations:

- (a) All inlets and outlets to be 3/16" inch higher than the surrounding surface for Rebound to terminate flush. If necessary, grind 3/16" deep by 1-1/2" inches wide.
 - (b) Waterline Tile to have a 1/8" deep groove directly under the tile then grind down to have a transition level.
- M) Ensure the pool is clean, dry and free of all debris.
- N) **INADEQUATE PREPARATION OF SURFACES WILL VIRTUALLY ASSURE INADEQUATE COATING PERFORMANCE AND ADHESION.**

5) INSTALLATION

- A) Apply polymer between 50 and 105 degrees and the temp stays above 50 degrees for 8 hours after application.
- B) The polymer is a 2 part mixture that has an A and B component. Shake up the part B then pour completely into part A. If splitting the kits the ratio of A:B is 4:1.
- C) Half Kits have Red labels on both Part A (3 gal bucket) and Part B (1 gal can). Full Kits have Green labels on both (5 gal bucket and 1 gal can).
- D) The pot life of one bucket depending on temperature and humidity is 25-45 minutes. Keeping the product cool or indoors before mixing will extend the pot life. If splitting kits, stir both part A and part B thoroughly before splitting as the contents could have settled over time. Be sure to get all the product mixed off the bottom and sides of the bucket. Once mixed, letting it set for 5 minutes will cause it to thicken slightly which is best when doing the vertical surfaces.
- E) **The polymer needs to be recoated within 24 hours and should be 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 applied to the bottom of the shoes. If there is a delay or it rains after the first coat, use Rebound #1250 Primer to ensure it sticks to itself.
- F) Mix granules using a mortar type tripod mixer in correct quantities based on the chosen blend and place in buckets or back into the bags until needed. The mixer should be able to accommodate 1 bag or two 5 gallon buckets. Large mixers will hold 1-1/2 bags or three 5 gallon buckets. (One bag of granules equals two full 5 gallon buckets)
- G) **First Layer, Polymer Only:**
 - (a) Use a brush to get under the edge of the waterline tile and around drains and openings, build up if necessary. The liquid is applied by 3/4" nap roller cover for the entire pool. It's best to dip or use a bucket grid inside the bucket, pouring and spreading mixture can leave puddling. 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 450 sf/kit. You want to apply heavy but without runs or sagging. **Do not exceed the coverage as the coating could end up too thin.**
 - (b) When doing the vertical surfaces, allow the polymer to sit for 5 minutes after mixing to thicken before applying. This will allow for a thicker coat.
- H) **Second Layer, First Broadcast:**
 - (a) Once the first layer has set and you can walk on it, approximately 2 to 4 hours, use vinyl tape on the bottom of your shoes or spike shoes to avoid disturbing the surface and sticking to it. On cooler days that don't get above 60 degrees, the polymer may not cure enough to walk on until the next day.
 - (b) Vertical Surfaces: Roll on the second coat using a 3/4" nap roller, keeping a wet edge and using a brush where needed. Roll down the wall past the bottom curve about 36" onto the floor. This allows the granules that fall to stay on the polymer and yet keep a wet edge to roll. Apply mixed granules to the walls by sweeping granules up from the bottom of the wall by hand or throwing handfuls. For deep pools have a third person throw from above

to get the area below the waterline tile. Continue to look for shiny areas where the granules have soaked in and add granules to get full coverage. The fallen granules will be used later on the floor.

- (c) Horizontal Surfaces: Continue to use a 3/4" roller cover and back roll to ensure even coverage continuing around the floor. The person doing the broadcasting should have on spike shoes. Pull the fallen granules at the bottom of the wall out onto the floor without touching the polymer. Manually broadcast additional granules onto the wet surface until refusal or until liquid is completely covered from above and inside the pool. Areas where more is needed tend to look like shiny spots. Continue to look for these as some granules get absorbed over time.
- (d) Reroll the edge of steps and benches just before applying the granules to ensure a good coat.
- (e) Work as a team so the people applying the polymer stay just ahead of the people broadcasting. Keep a wet edge of polymer but keep granules away enough to stay off the wet edge which will then end up on the roller covers. Target 450 sf/kit.
- (f) **Do not let the polymer set up before broadcasting, this will create bald spots. Communicate and work together.**
- I) **Third Layer, Second Broadcast:**
 - (a) Clean out leaves and debris first. Broom and vacuum all loose granules from the entire pool to be reused for this second broadcast.
 - (b) Vertical Surfaces: Repeat process as above in cushion layer for both liquid and granules, paying close attention to the area against the waterline tile. No need for a brush this time, use a 3/4" roller cover to go over the granules.
 - (c) Horizontal Surfaces: Repeat process as above, again keeping a wet edge before manually broadcasting to refusal.
 - (d) Reroll the edge of steps and benches just before applying the granules to ensure a good coat.
 - (e) Start in the deep end and finish next to the steps. It is easier to get a good coat on the steps from inside the pool. Exit the pool next to the steps, by leaving a clean spot on the floor to climb out. Roll the floor from above and then the broadcaster can finish from inside, going out on the stairs with spike shoes.
 - (f) Target 125 sq/kit.
 - (g) **Do not let the polymer set up before broadcasting, this will create bald spots. Communicate and work together.**
- J) After a dry time of 12 – 24 hours depending on the temperature and weather, the newly applied Rebound Surfacing is cured enough to walk on. **Scoop up the loose granules with plastic dustpans, then use stiff brushes and brooms on the floor to knock free the loose granules and vacuum them up into buckets. The better this is done the less granulation your customers will have later.** The recovered granules can be used for future first coat broadcasts or same colored projects.
- K) We recommend a wash down using a hose (not power washer) to eliminate any granule dust not vacuumed up. Pump out the water prior to filing. This will help the water start cleaner.
- L) Yields: Liquid, 450 sqft on first and second coats, 125 sqft on third coat. Granules, .6 lbs per square foot per broadcast, .3 lbs net usage. (If reusing granules that fall cleanly to the floor)
- M) Finishes thickness of the layers: 1) 1/32", 2) 3/32", 3) 3/16". The walls may end up a little less, the floor a little more.

6) PROTECTION

- A) Prohibit traffic on floor finish for 24 hours after installation.
- B) Wait 2 days before filling with water.

7) **KEY REMINDERS**

- A) Rebound will stick to almost anything and may not come off. Cover what you want protected!**
- 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) The polymer only layer needs to be recoated within 24 hours and should be tacky to the touch. The same for the primer.**
- F) Do not exceed the coverage guidelines as the coating will end up too thin.**
- G) Do not let the polymer set up before broadcasting, this will create bald spots. Communicate and work together.**
- H) 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.**
- I) Pouring chlorine onto the steps or dropping tablets will bleach out the surfacing. Water needs to be properly maintained.**

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
Paddle Bit	1

Spike Shoes, Pointed	2
Stiff Brush	2
Stiff Broom	1
5 Gallon Buckets as needed	

2) **PRODUCTS CONSUMED** **QTY**

Heavy Duty Roller Frames	4	
Roller Covers 3/4" Lint Free	6	
Poly Tape 2"	4	Available thru Rebound.
Bucket Roller Screens	2	
Plastic 10x25 4 mil	1	
Bag of Rags	2	
Nitrile Gloves (box)	1	
3" Chip Brushes	10	
Small Buckets as needed		