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[www.roll-on.com](http://www.roll-on.com)

## WATER BASED SKATE FLOOR COATING ONE-PART URETHANE SKATE FLOOR COATING

- Store indoors only.
- Keep from freezing.
- Store all containers at room temperature for 48 hours prior to application.
- Approximate storage shelf life: 12 months from date of manufacture
- MSDS for this product is available at [www.roll-on.com](http://www.roll-on.com).
- Fire Rating Reports for this product are available at [www.roll-on.com](http://www.roll-on.com).
- DOT Hazardous Spill information available at [www.roll-on.com](http://www.roll-on.com).


 **STOP! READ INSTRUCTIONS ON ALL PAGES!**

**Skate floor surface MUST BE absolutely free of dirt, surface oils and contaminants of any kind before proceeding.**

Regardless of your previous experience with our products, please read before coating. This brochure is a thorough review of preparation and application procedures. We are also including some important tips to improve your coating experience and shorten the duration of your coating time.

### Materials and Tools Needed:

- One or more floor polishers
- #100 - #120 Grit Screen back pads – 1 pad per 1,000 sq. ft.
- Push Brooms
- Wide area or other vacuum cleaner(s)
- 2 gallon plastic watering can with shower head
- 1 – 2 foot square piece of window screen as a strainer
- Long stir stick(s)
- Weighted applicator (Padco type T-bar applicator)
- Terrycloth bath towels

 **STOP!** Using a T-bar or Padco Applicator may void all warranties associated with this product. Using a T-bar or Padco Applicator can be very subjective depending on the person using it. As one pulls the bar, the speed and force of the pull can cause the bar to float (hydroplane) over the applied coating which would increase the amount of the wet coating that is being laid down, causing more product to coat less surface. Only experienced and properly instructed personnel should be utilized for this and all phases of preparation and application procedures outlined in this brochure.

# Preparing and Coating Ultra clear Skate Floor Finish Over Wood or Approved Coated Surfaces



## Coating Requirements For Bare Hardwood or Resurfaced Uncoated Wood

(Minimum of four coats required)

Coat One: Coat with First Round® floor sealer (approx: 600 sq. ft. per gallon)

Coat Two: Coat with First Round® floor sealer (approx: 700 sq. ft. per gallon)

Coat Three: Coat with *ULTRA-CLEAR* with catalyst (approx: 800 sq. ft. per gallon)

Final Coat: Coat with *ULTRA-CLEAR* with catalyst (approx: 800+ sq. ft. per gallon)



**NOTE** *when more than 8 hours has elapsed after the first application, the coating MUST be sanded per the sanding instructions below prior to applying the second coat.*



**NOTE** PREPARE AND APPLY THE FIRST COAT OF FIRST ROUND® FLOOR SEALER PER INSTRUCTIONS FOUND ON FIRST ROUND® CONTAINERS AND OTHER APPROPRIATE DATA PUBLICATIONS.

THEN FOLLOW INSTRUCTIONS IN THIS BROCHURE BEGINNING WITH STEP 1 – FOLLOWING “COATING REQUIREMENTS OVER APPROVED PREVIOUSLY COATED SURFACES”:

## COATING REQUIREMENTS OVER APPROVED PREVIOUSLY COATED SURFACES

### STEP 1 - SANDING/ABRADING

#### Tools:

- Floor Polisher adapted to wire mesh screen use with buffing pad
- Wet/Dry Vacuum Floor Squeegee (optional)
- Bath towels,
- 120 grit wire mesh screens (1 screen for every 1,000 sq. ft.)
- Automatic Floor Scrubber (optional)

Before applying **Ultra clear Skate Floor Finish**, abrade the existing skating surface to a dull finish with #120 grit mesh screens under large **rotary floor polishers**. An **automatic floor scrubber may be used** for this procedure. If using an automatic floor scrubber abrade the surface with heaving pressure setting.

### **Wet Sand:**

1. Mop a 30' X 30' area with *TRACTION PLUS* Floor Cleaner or water.
2. Sand 30' X 30' area with 120 grit wire mesh screen.
3. Clean 30' X 30' area with a wet/dry vacuum. A squeegee makes this go much faster. Continue this process until entire floor is prepared.
4. After screening and vacuuming, clean entire surface with by dragging with bath towels using plain water.



**NOTE** Change your screens! Wire mesh screens should be turned over after 500 square feet and discarded after 1,000 square feet per disk. Failure to change screens at this rate often results in polishing the surface even when it appears it is being abraded. Peeling or chipping may result when over-extending the intended life of the discs.

## **STEP 2 - CLEANING**



**NOTE** NEVER USE STRING MOPS OR TREATED DRAG MOPS TO PREPARE, CLEAN OR MAINTAIN YOUR SKATE FLOOR!

- Vacuum the abraded skating surface with a drum or canister vacuum.
- Drag the surface carefully by soaking a large terrycloth towel in a bucket of **CLEAR WATER. (DO NOT USE DETERGENTS OR SOLVENTS.)**
- Wring out the towel of excess water
- **Be prepared to change the water frequently.**
- Using a 24" or 36" push broom or squeegee, push the towel across the width of the skating surface (**NOT THE LENGTH**). Upon reaching the other side, turn the towel over. The clean damp side is now face-down to the surface. Push it back to the other side. Overlap a little for a cleaner surface.
- Soak the used towel in clean water, wring out and repeat the process

Your floor **MUST BE CLEAN AND DUST FREE TO CONTINUE**

**Repeat Step 2 – Cleaning until the sanded skating surface is dust free when abrading between each coat is indicated.**

## **STEP 3 - PREPARING ULTRA CLEAR SKATE FLOOR FINISH**

**IMPORTANT:** Apply at room temperature - 68 to 74 degrees (F). Allow good ventilation. Avoid flames and prolonged contact with skin. Wear disposable gloves to keep hands clean.

**PREPARE AND ADD CATALYST PER DIRECTIONS ON THE CATALYST CONTAINER.**



**NOTE DO NOT DILUTE OR ADD THINNERS TO ULTRA CLEAR COATINGS!**

If impurities are noticed, pour the *Ultra clear* skate floor finish from the container through a fine mesh wire strainer into the two-gallon garden-type sprinkling can to remove any impurities formed during storage. **Proceed to Step 4.**

## **STEP 4 - APPLYING ULTRA CLEAR SKATE FLOOR FINISH**

### **Tools:**

1 - 24" Padco weighted applicator and handle **per person** applying First Round® or *ULTRA-CLEAR*.

1 - 24" Padco replacement pad for each person, for each coat of First Round® or *ULTRA-CLEAR* per person applying the coating

- With 3 people applying 2 coats = 6 replacement pads are needed

1 - Garden sprinkler can - plastic (with pour spout removed)

**MEASURING TIP●** When preparing to coat, divide the rink into the number of pails expected to be applied. For example: If the floor is 60 feet long and 3 pails are expected to be used, 60 feet divided by 3 pails would mean that 1 pail would be expected to be used up ever 20 feet measured across the width of the floor. Mark each 20 foot width across the rink with a piece of easily seen tape. Each time a pail is emptied, check your progress against the markings.



**NOTE Applicators made from Lamb's wool such as EZ-WAY brand and Weighted**

**Applicators such as Padco brand:** The EZ-WAY (or other Lambs Wool Applicators) may leave thick ridges of material trailing off one edge or another. The Padco type of weighted applicator lays down a thin coating – often spreading at 1,000 square feet per gallon – which is desirable for water-based coating applications. However, the weighted applicator may also "bridge" a low spot in the floor leaving a surplus of material in the depression, which may dry poorly. Thinning the material or application by squeegee is never recommended.

**APPLICATION TIPS●** When coating with a 24" Padco Applicator two or three people may be used for the application process. One person pours while one or two people spread the product. For a video demonstration go to [www.roll-on.com](http://www.roll-on.com) and click on "APPLICATION INSTRUCTIONS" on the front page, then click on *Padco Applicator Instructions*.

**STAFFING TIPS●** If coating 10,000 square feet and using one person mixing the pails, one person pouring for the applicators and 2 persons using the applicators – a total of 4 persons, the entire task should take no more than 1 ½ hours.

## **STEP 5 - CLEAN UP**

**Use warm water for clean up immediately after use.**





**STORAGE TIP** ● After application, transfer excess Ultra clear to new, one-gallon paint containers with lids. Reducing air space in the storage containers extends the shelf-life of the material. Shelf life of unopened containers is approximately 12 months when properly stored.

## Traffic circles, numbers, lines and graphics

To avoid smearing and peeling of figure circles and traffic lines, use **paint brands that are specifically recommended** by your Roll-on or Ultra Clear distributor.



**Firefly black-light responsive additive** is available for all coatings we produce. It enhances black light effects in any skating center. Ask your distributor about **FIRE-FLY floor coating additive**.

**Coverage** per Gallon . . . . . 800+ sq.ft.

**Coating Time** average . . . . . 2 hours

**Drying Times:** To walk on . . . . . 6 – 8 hours

To skate on . . . . . 18 – 24 hours

Applying additional coat. 6 – 8 hours


### **Drying Times Depend On:**

Floor and material temperature (68-72 degrees)

Air exchange and circulation and humidity Levels

## MAINTENANCE

**For a durable, slip-resistant surface, skating floors must be kept clean. Poor maintenance will result in a slippery skating surface.**

 **NOTE** – Never use string mops or treated drag mops to prepare, clean or maintain your skate floor coating. Most commercial cleaners leave oily residues! **Please contact your Ultra clear distributor for recommendations for non-residue skate floor finish cleaners.**

**TIP** ● Clean floor weekly with an Automatic Floor Scrubber using Traction Skate Floor Cleaner non-residue concentrate.

- Clean the skate floor daily with an **UNTREATED** dry mop.
- If an Automatic Scrubber is not available: clean floor as needed by soaking a large towel in a bucket of clear water or Traction non-residue skate floor cleaner. Wring out and wrap the towel around a 36" push broom. Push the towel across the Width of the skating surface (**NOT THE LENGTH**). Upon reaching the other side, turn the towel over so that the clean side is face down to the surface and push it back to the other side. Overlap a little for cleaner surface. Soak and wring the towel again and repeat this process until the floor has been cleaned.

We can control our mixtures in the factory and issue certificates of compliance with each batch. Unfortunately, we cannot control the environment where it is prepared and our material applied.

<b>PROBLEM OBSERVED</b>	<b>POSSIBLE CAUSES</b>
ALLIGATOR SKIN	Additional coating applied too soon
ALLIGATOR SKIN	Excessive coating upon application
ALLIGATOR SKIN	Material was allowed to puddle
ALLIGATOR SKIN	Too much air flow directly on to or across the surface
BLACK STREAKS – in time	Moisture has been present - possibly mold
BUBBLING	Aggressively shaking before application
BUBBLING	High temperatures during application
BUBBLING	Mixing the product with a high-speed mixer before application
BUBBLING	Repeatedly passing over the product with rollers
DISCOLORING STREAKS	Contaminated surface; Likely oil, grease, soap film or silicone
DISCOLORING STREAKS	Improper floor preparation
DISCOLORING STREAKS	Material Not Boxed or Boxes improperly
FINE DIRT PARTICLES	Distributed from ventilation system
FINE DIRT PARTICLES	Enter from open doors or windows
FINE DIRT PARTICLES	Lint from applicator
FISH EYES	Contaminated surface; Likely oil, grease, soap film or silicone
FISH EYES	Room or Surface Temperature too high
FISH EYES	Too much air flow across surface
HAZY FINISH	Presents of moisture - possible high humidity
PEELING - immediate	Improper floor preparation
PEELING - immediate	Screens or sand paper not changed frequently at preparation
PEELING - immediate	Surface not properly sanded and cleaned
PEELING - over time	Contamination causing gradual delaminating
PEELING - over time	Contamination prior to coating
PEELING - over time	Improper floor preparation
PEELING - over time	Introduction of sub-surface moisture
PUDDLING	See wrinkling or alligator skin or Streaking
SLOW DRYING	High humidity
SLOW DRYING	Lack of ventilation after application
SLOW DRYING	Low Surface temperatures
STREAKING	High surface or room temperature
STREAKING	Product applied too thick
STREAKING	Product applied too thin
STREAKING	See also Puddling
STREAKING	Vents or fans discharging air directly onto the surface
SWIRL MARKS BELOW	Coating too thin
SWIRL MARKS BELOW	Scuffing pads too heavy
WRINKLING	Excessive coating upon application
WRINKLING	Material was allowed to puddle
WRINKLING	Puddling in a low spot on the floor surface
WRINKLING	Recoating too soon
WRINKLING	Too much air flow directly on to or across the surface

Never use steel wool to abrade the previous coating during preparation. Follow suggestions in this brochure for proper clean-up after preparation. Never use string mops and buckets or drag-mops to tack the surface before application. Never use treated drag mops on skate floors. For coating maintenance, frequent use of large untreated micro-fiber drag mops works best.

# Products available from your Roll-on Skate Floor Systems Distributor

<b>REGULAR ROLL-ON</b>		
ROCR	CLEAR (5 GALLON)	
ROCRG	CLEAR (1 GALLON)	
ROBE	BLUE (5 GALLON)	
ROBEG	BLUE (1 GALLON)	
ROME	TAN (5 GALLON)	
ROMEG	TAN (1 GALLON)	
<b>ULTRA CLEAR</b>		
FR	1st Round - Boxed 4 Units	
UC	ULTRACLEAR Without Catalyst	
UCCR	ULTRACLEAR With Catalyst	
UCC	catalyst - (1 pint for 5 gallons)	
<b>LINE PAINT</b>		
LPRD	RED	
LPBE	BLUE	
LPBK	BLACK	
LPWE	WHITE	
<b>"FIRE-FLY" additive</b>		
Pre measured for 5 gallons		
FFAR05	For ROLL-ON	
FFAUC	For ULTRA CLEAR	
Pre measured for 1 gallon		
FFAR01	For use in One Gallon R-O	
<b>SUPER BASE EPOXY</b>		
SBABE	A-BLUE (5 GALLON)	
SBABEG	A-BLUE (1 GALLON)	
SBB	PART - B (5 GALLON)	
SBBG	PART - B (1 GALLON)	
<b>CONSTANT SHIELD</b>		
CS4	HD-3000 CLEAR (4.5 GA.)	
CS5	HD-3000 GRAY (4.1 GA.)	
CS415	HD3000 CLEAR (1.5 GA)	
<b>CLEANERS</b>		
TRA	TRACTION (1 GALLON)	
<b>APPLICATION TOOLS</b>		
RF	ROLLER FRAME	
RR18	REPLACEMENT ROLLER	
FCF24	24" PADCO APPLICATOR	
RFC 24	24" PADCO PAD	
SQUO	36" SQUEEGEE W/FRAME	
SQURB	36" SQUEEGEE BLADE	