

# RADCOAT®

CURING AT THE SPEED OF LIGHT

UV CURABLE FINISH

THE 1ST ONSITE UV  
CURABLE FINISH THAT  
CURES INSTANTLY  
WITH UV LIGHT



TECHNICAL DATA SHEET



## PRODUCT DESCRIPTION

Radcoat® is an instant cured, aliphatic, UV, waterborne urethane. It's formulated for onsite heavy commercial applications where down times are limited. This new polymerization technology yields a coating with excellent scuff, scratch, abrasion and chemical resistance. Since RadCoat® cures instantly with UV light, your floors can be 100% cured and returned to service immediately. This enables your customers to maintain the beauty of their floor with the fastest and most durable system.

## PRODUCT FEATURES

- UV Cure Technology
- Maximum Durability
- Outstanding Chemical Resistance
- Crystal Clear Clarity, Non-yellowing
- One Component, No Waste
- Environmentally Friendly
- VOC Compliant

## PRODUCT USES

- Formulated for demanding wear applications
- Ideal for wood, concrete, cork & resilient vinyl flooring
- Highly recommended for residential, commercial, & retail applications

## TYPICAL PROPERTIES

FINISH TYPE	UV Waterborne Urethane
COLOR	Clear, White (wet)
SOLIDS CONTENT	35% +/- 2%
VOC	<35 g/l
WEIGHT/GALLON	8.66 lbs/gal
COF	0.50 SCOF
KOENIG HARDNESS	186
TABER CS17 1000G@1000C	15 mg less
FLASH POINT	>200°F (93°C)
ODOR	Mild, Non-Offensive
CLEAN UP	Water
COVERAGE RATE	500-600 sq ft/gal
APPLICATION	T-Bar, Trim Pad, Brush, Spray
PACK SIZE	4 x 1 Gallon (36 boxes/pallet)
SHELF LIFE	1 year from date of production (unopened)
SHEEN	Gloss (90), Semi-Gloss (55), Satin (25), Designer Satin (20), Matte (15), Ultra Matte (10)
STORAGE/TRANSPORT	Temperature must not fall below 32°F or exceed 95° during storage/transport
DISPOSAL	Waste & empty containers should be handled in accordance with local regulations
DRYING TIME, UNTIL	Ready for recoating: 1-3 hours* Ready for UV curing: 2-3 hours* Fully Cured: Immediately following UV cure * = under normal climate conditions, 65°F - 80°F /40-60% RH

FOR TECHNICAL ADVICE CONTACT (800) 962-0344

## APPLICATION PROCEDURES

### WOOD

- Shake coating vigorously for 30-45 seconds and let sit 10-15 minutes before applying.
- Pour a 6" to 8" wide line of finish along the starting wall.
- Following the grain of the wood, draw a clean, pre-dampened applicator forward.
- Following the grain of the wood, move the finish toward the opposite wall.
- Hold the applicator at a snowplow angle to maintain a wet edge at all times.
- Maintain at least 3" wide wet edge at all times to ensure proper coverage rate.
- To prevent lapping and dry marks, use recommended coverage of 450-550 square foot per gallon. Do not spread too thin.
- When cutting in floor, never work more than five feet ahead of the person applying the finish.
- Allow your first coat to dry 2-4 hours before curing Radcoat® RX with UV light.
- For smoothest results, before applying final coat, buff with conditioning pad.
- Always vacuum and tack thoroughly with a slightly water-dampened mop or cloth after abrading.

### CONCRETE

- Shake coating vigorously for 30-45 seconds & let sit 10-15 minutes before applying.
- Apply Radcoat® as a thin penetrating sealer. Let dry 1 hour.
- Apply 2nd coat of Radcoat® at desired coverage rate and allow to dry 1-2 hours.
- Begin curing Radcoat® with UV curing equipment at a rate of 30-35 square feet per minute.
- Once curing is complete, floors can be returned to service.

**NOTE: Radcoat® sealer will need UV cured if no succeeding coats are desired.**

## CURING PROCEDURES

- Radcoat® is an onsite ultraviolet coating that requires a UV curing unit with a mercury lamp emitting 400 mj/cm<sup>2</sup> minimum. Point of cure (P.O.C.) is when the coating is within one point of original moisture reading. e.g.: (moisture 8/P.O.C. 9) This is usually achieved within 2-4 hours of dry time.

After the above criteria are met, the coating is ready for the curing process.

- **CAUTION: DO NOT CURE WET OR DAMP COATINGS OR WALK ON UNCURED COATINGS.**
- To start the curing process, set the curing unit on an adjacent door way.
- Start curing unit and slowly move into coated area, curing an area in the doorway large enough to move around freely in one direction. Once landing pad (LP) is cured, you are ready to begin curing the rest of the job.
- Start curing down the closest wall to the LP with Rate of Cure (ROC) of 25 linear feet per minute.
- Once at the end of the cure pass, walk backwards to LP with UV unit on, ensuring a thorough cure of each pass.
- Overlap each pass by 2-4 inches to ensure there are no skips in the curing process.

## RECOMMENDED SYSTEMS

### Newly Sanded Floors

Apply 1 coat of Splashdown Wood Sealer, 1-2 coats AquaPro™, 1 coat of Radcoat®.

### Coating Over Stains

Allow stain to dry per manufacturer's directions or longer depending on atmospheric conditions. A test area is recommended to ensure compatibility with stain.

### Recoating Existing Surfaces

Abrade with appropriate screen or conditioning pad. Apply 1-2 coats of Aqua-Pro™ & 1 coat RadCoat®. When recoating existing surfaces, compatibility must be determined by applicator.

### CONCRETE

Apply 1 coat of Radcoat® RX as a sealer **OR** Apply ProCoat® Acryashield with 1 coat of Radcoat® for top coat.

## MAINTENANCE CARE

Vacuum and mop the floor regularly with ProCare® Citrus Floor Cleaner. This cleaner leaves no film or sticky residue. It is safe around kids and pets. Detailed maintenance instructions are available at [www.procoatinc.com](http://www.procoatinc.com).



SCAN TO SHOP PROCARE®  
CITRUS FLOOR CLEANER  
available at  
**amazon**

## WARRANTY

If ProCoat® products are proved defective, the user's exclusive remedy will be at ProCoat's® option to replace the defective ProCoat® products or to refund the purchase price for the defective quantity. Except for the replacement or refund remedies, ProCoat® is not liable for direct damages or liable for indirect, incidental or consequential damages, regardless of the legal theory asserted, including negligence and strict liability.

FOLLOW US ON SOCIAL MEDIA @procoat



Email: [info1@procoatinc.com](mailto:info1@procoatinc.com)  
Web: [procoatinc.com](http://procoatinc.com)



Address: 100 Commerce Park Drive  
Cabot, Arkansas 72023

**PROCOAT**  
Hardwood Floor Coatings and Specialty Products