



## Rockhard Clear Coat T900 (For Vinyl Floors)

### DESCRIPTION

Rockhard Clear Coat T900 for Vinyl Floors creates a thin and durable layer of quartz to protect vinyl, linoleum and vinyl composition tiles. Comes in gloss, satin or matte, the clear quartz layer removes the need to keep stripping and waxing these types of floors, significantly lowering maintenance costs.

### FEATURES

- Durable, wear resistant
- Scratch resistant
- Solvent based
- Non-breathable
- It prevents Scuffs, acid etching, and food and beverage stains.

### TYPICAL USES

- Can be applied on Vinyl floor products, Linoleum, and Vinyl Composition Tile.
- It is a solution for Scuffs, acid etching, and food and beverage stains.

### COLORS

Clear to slight amber to rose (depending on temp and humidity) always dries clear. Comes in gloss, satin or matte.

### PACKAGING

1 gallon buckets, 5 gail pails and special size packaging available upon request.

### COVERAGE

Calculation for theoretical coverage: 500 – 800 Ft<sup>2</sup> /gal. Coverage will vary depending on applicator, the porosity and texture of the substrate.

Recommended Spread Rate per coat: Wet mils: 2.0 to 3.0

### STORAGE

Twelve to twenty-four months in factory delivered, unopened drums. Store on pallets and keep away from extreme heat, freezing, and moisture. Store at temperatures between 50 °F and 80 °F (10 °C and 27 °C).

TECHNICAL DATA (All values @ 77 °F / 25 °C)	US	Metric
Volatile organic compounds (ASTM D2369)	< 0.83 lb./gal	< 100 gm/ liter
Dinamic Coefficiet of Friction (DCOF)	.70	ADA requirement .42





## Rockhard Clear Coat T900 (For Vinyl Floors)

Theoretical coverage	500 – 800 Ft <sup>2</sup> /gal @ 0.7-1.0 mils DFT	12-20 m <sup>2</sup> /liter @ 18-25 microns
Specific Gravity of materials (ASTM D792)	7.36 lbs./gal	0.88 kg/ liter
Shelf life @ 77 °F /25 °C	12-24 Months	12-24 Months
Flash point - pensky martin closed cup	72 °F	22 °C
Application Temperature	45 – 105 °F	7 – 40 °C
<b>PROCESSING PROPERTIES (Under standard lab conditions)</b>		
Touch Dry	2-3 hours	
Dry Through	3-5 hours	
Recoat interval	10-20 minutes	
Light foot traffic	5-8 hours	
Full Cure	7 Days	
<i>Properties and values are highly dependent on equipment, spray gun, mix chamber temperature, pressure and related parameters. Values are slightly different for clear. Variations are possible and expected.</i>		

### SURFACE PREPARATION

Before applying Rockhard Clear Coat T900, make sure that the areas to be coated are completely clean of oils, dirt, scuff marks by using an approved cleaner. Make sure any loose tiles or sheet vinyl are re-glued, and in sound condition. For a higher shine prior to application, Vinyl floors can have 3 to 4 coats as a base of a good quality acrylic emulsion wax and burnished to desired shine. This is not necessary and any visible marks or dirt not cleaned prior to application will show through coating.

#### NEW VINYL FLOORS

New vinyl floors are recommended to have 3 to 4 coats of a good quality acrylic emulsion wax applied and burnished to desired shine as a base prior to applying the Rockhard Clear Coat T900. (Any visible marks or dirt not cleaned prior to the application will show through our coating)

#### EXISTING VINYL FLOORS

Existing vinyl floors do not need to be stripped unless they are in bad condition. The existing floor should have at least 3 to 4 coats of a quality acrylic emulsion wax as a base that is in good condition. Burnish the last coat to the desired shine before applying the T900. (Any visible marks or dirt not cleaned prior to the application will show through coating)

### APPLICATION

Make sure to sample T900 in an inconspicuous location before applying to entire area to ensure desired results are achieved.





## Rockhard Clear Coat T900 (For Vinyl Floors)

---

Once surface has been properly cleaned and prepared, mask off any adjacent surfaces to avoid accidental coating. Inspect and clean one more time to make certain no contaminants got on floor after masking. Stir the contents thoroughly to resuspend the nano particles that have settled to the bottom. You may notice a ¼” build up in the bottom of the can. Make certain these materials get completely mixed into the container. Make certain to re-stir every 15-20 minutes to ensure proper re suspension of the nano particles throughout the project.

**Pump Spray Application:** Stir the contents thoroughly in the container to resuspend the nano particles that have settled to the bottom before pouring into sprayer. Typically, about ¼” of buildup will be present in the bottom of the can. All of this needs to be resuspended for the coating to perform. Make certain to re-shake every 15-20 minutes to resuspend the settling nano particles to ensure proper performance. Using an SP brand acetone/alcohol proof pump sprayer or equivalent, install a red fan tip on the wand, as this provides the most even application. The SP sprayer is equipped with a valve stem, like on a car tire. It is recommended to keep an even amount of pressure while spraying in order to keep a consistent look. We recommend hooking up a compressor and air hose with a quick release to the valve stem on the SP sprayer and then supply the SP sprayer with a constant 25-30 PSI. This will provide an even flow and finish. To start spraying, hold the tip square to the surface being coated at a distance of 10” to 12” off the floor. In a separate container, begin spraying into the container to avoid initial spitting of product on the floor caused from air trapped in the spray wand. When you stop spraying, also stop the flow in the separate container, as spray wands often drip a few drops after handle is released. You want to provide even distribution of the coating, so a smooth circular motion should provide good coverage. This product should go on thin and never allow puddling. It is always best to spray on a few mockups to get the feel of applying this product before attempting an actual project. Be careful not to apply too thick (THIN TO WIN) or allow the product to puddle, as this will cause too much surface tension and possible bubbles or delimitation. Do not apply a second coat unless there is a flaw in your application of the first coat. If a second coat is necessary, wait 24 hours for the surface to dry. Then abrade the surface with 220 grit sandpaper or a green pad on a buffing floor machine to allow the second coat to bond. Clean floor of dust and reapply.

### INTERRUPTION OF WORK

---

Upon drying, treated surfaces may appear similar to untreated surfaces. It is possible areas could remain untreated if work is interrupted. It is advisable to stop application on a corner joint or any other obvious marker so the applicator can begin where the application had previously ceased.

### CARE and MAINTENANCE

---

Mop periodically with plain water. Never use vinegar to clean the finish as, over time, this will break down the coating. If paint or ink get spilled onto coating, use an approved cleaner, then rinse with fresh clean water and dry with mop. Although Rockhard Clear Coat T900 is scratch resistant, it is not scratch proof. Do not use abrasive cleansers or abrasive scouring pads. If an area gets damaged or is mechanically abraded, lightly sand the area with 220 grit sandpaper and reapply T900. If the substrate is damaged at the same time, make the necessary repair first, and then re-apply Rockhard Clear Coat T900.

### EQUIPMENT CLEAN UP

---

After application, equipment should be cleaned by pouring a solvent (acetone, methyl acetate, TBA, or similar) into device and spraying out to "flush out" any remaining product from the lines. After one flush out, repeat for 2 total flushes.





## Rockhard Clear Coat T900 (For Vinyl Floors)

---

Clean tools and flush equipment with acetone immediately after use. Cleanup must occur before coating is dry. Once coating is dry, neither acetone or any other solvent will successfully clean tools and equipment.

### CAUTION

---

Always wear OSHA approved 1910.134 and ANSI Z88 2 Respiratory protection. Fresh air and exhaust are required in the work area. If inhaled, remove affected person to fresh air. Call physician immediately if physical difficulties occur. Wear butyl- rubber gloves and skin protection to avoid contact. In the event of contact with skin, wash skin thoroughly with soap and water. Chemical safety goggles or splash shields are required. Do not wear contacts without eye protection. Immediately flush eyes with water for 15 minutes after contact and get medical attention. If accidentally swallowed, rinse mouth thoroughly and obtain immediate medical attention. OSHA rules dictate an observer should monitor applicator for any signs of physical distress when applying coatings in enclosed areas.

