



## DESCRIPTION

Rockhard Clear Coat T200 Sealer for Concrete is a spray-down solvent and gel-based clear coating system. It is designed to protect concrete surfaces and other hard surfaces. It's a durable, resistant coating that prevents flaking and peeling. Rockhard T200 has superior qualities in terms of non-flexibility. It forms a long-lasting protective barrier that offers superior UV and wear resistance for these surfaces.

## FEATURES

- Excellent UV resistance and protection
- Superb abrasion and scratch resistance
- Exceptional impact resistance
- The finished application is virtually invisible
- Reduces maintenance costs
- Extends the life expectancy of the substrate
- Superior resistance to rust, moisture, corrosion, salt spray, acid rain, oxidation
- Resistant to wind drag, dirt build-up, ice buildup, and animal and bird waste damage

## APPLICATIONS

- Concrete floors, walls, structures, masonry pavers, unglazed tile, bricks, and cement blocks, as well as ferrous metals like stainless steel and galvanized steel, and non-ferrous metals including aluminum, copper, and bronze (whether raw, powder-coated, painted, or primed).
- Moisture, corrosion/rust, oxidation, galvanic corrosion, acid rain, food and beverage acids, fuels and oils, wind drag, dirt build up, ice buildup and animal and bird waste damage. UV stable.

## COLOR

Clear to mild amber to rose (depending on temp and humidity). Always dries clear. Gloss finish.

## PACKAGING

1 Gallon Can

## COVERAGE

Calculation for theoretical coverage: 400-600 Sq. Ft. / Gal. on Concrete @ Recommended spread rate 3 - 4 mils Wet, 1 - 1.5 Dry

## STORAGE

12 to 18 months in factory delivered, unopened containers. 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). Be sure to place unused product back into can and close lid.

## MIXING

Ready to use. There is no need for mixing or diluting. Add 8oz. of xylene per gallon to lengthen self-leveling times.

## SURFACE PREPARATION

Protect all surfaces not designated for coating application. Do not apply to surfaces that are frozen, dirty, or have standing water, grease, oil or other contaminants. Intended surfaces must be clean, dry and absorbent. Confirm surface absorbency with a light water spray - intended surface should wet uniformly. If surface does not wet uniformly, use a recommended cleaner, auto scrubber, or other process to remove surface contaminants. Surface must be clean and dry prior to application.

## NEW CONCRETE

Remove all dust, debris and other contaminants from the surface. Concrete MUST be at least 28 days old. ROCKHARD QUICK SEAL must be applied prior to ROCKHARD T200 for direct to concrete applications. Refer to QUICK SEAL instructions and TDS for how to install properly.





TECHNICAL DATA (All values @ 77 °F / 25 °C)	US	Metric
Volatile organic compounds (ASTM D2369)	< 0.83 lb./gal	< 100 gm/ liter
Theoretical coverage	400 – 600 Ft <sup>2</sup> /gal @ 1.0-1.5 mils DFT	9-14 m <sup>2</sup> /liter @ 25-38 microns
Specific Gravity of materials (ASTM D792)	7.36 lbs./gal	0.88 kg/ liter
Shelf life @ 77 °F /25 °C	12-18 Months	12-18 Months
Flash point - pensky martin closed cup	15 °F	-9 °C
Application Temperature	45 – 105 °F	7 – 40 °C
Abrasion Resistance CS-17 1000 Cycles (ASTM 4060)	23 mg Loss	
Surface Flammability (ASTM E162)	Heat Index 0 (Best Result)	
Adhesion to 800 Grit Polished Concrete (ASTM 4541)	1200+ PSI Cohesive Concrete Failure	
Accelerated UV Exposure 1000 hrs. (ASTM G154)	dE: <0.5	
Thermal Cycling (ASTM 6944) 50C - 4 Hours Immersion @ 25C - 4 Hours -29C - 16 Hours	No Effect	
Solvent Resistance - MEK (ASTM 4752)	1000 Rubs - No Effect	
Shore D Hardness (ASTM D2240)	72 +/- 3	
Operating Temperature	-200F - 350F	
PROCESSING PROPERTIES (Under standard lab conditions)		
Touch Dry	2-3 hours	
Dry Through	3-5 hours	
Recoat interval	0-60 minutes	
To be walked on	Min 6-8 hours	
To be exposed to vehicular traffic	Min 3 days	
Full Cure	5-7 Days	
<i>Properties and values are highly dependent on equipment, spray gun, mix chamber temperature, pressure and related parameters. Variations are possible and expected.</i>		





## EXISTING CONCRETE

Intended surface must be clean, dry and structurally sound. Remove any and all contaminants including bond breakers, surface grease and oil, dust and construction debris. For larger surface areas, use an autoscrubber with an appropriate cleaner. Surface must be dry prior to application of ROCKHARD products. ROCKHARD QUICK SEAL must be applied prior to T200 CLEAR COAT for direct to concrete applications. Refer to QUICK SEAL instructions and TDS for how to install properly.

## METAL

Intended surface must be clean, dry and structurally sound. Remove any and all contaminants including bond breakers, surface grease and oil, dust and construction debris. Existing corrosion must be removed prior to T200 application. Cold rolled steel must be coated with an anti corrosion primer prior to T200 application. Apply T200 direct to non-ferrous metals, galvanized and stainless steel.

## EXISTING COATING

ROCKHARD T200 CLEAR COAT provides high performance protection to existing coatings as a top coat. Ensure existing coating is in sound condition and well adhered to substrate. Ensure existing coating is clean and free of any oil, grease or other contaminants. If existing coating has finish imperfections such as pinholes, bubbles, or other visible blemishes, they must be corrected prior to application of T200. If surface finish blemishes will be corrected with screening, do not use more aggressive than a 400 grit screen - below 400 grit will result in poor finish of T200. Failure to address existing surface finish imperfections will result in poor finish of T200 CLEAR COAT. Ensure all dust is removed prior to T200 CLEAR COAT application. T200 is not designed to improve bond of existing coating to substrate, if existing coating bond fails to substrate, T200 will be not be able to protect substrate as T200 is bonded to the existing coating.

## SURFACE & AIR TEMPERATURE

45 - 105F (7 - 40C)

## EQUIPMENT

For horizontal substrates, use an acetone proof pump sprayer with a cone tip. For vertical or upright substrates, use an HVLP spray gun.

## STORAGE & HANDLING

Store in a cool, dry place <80F. Always seal container after dispensing. Published shelf life assumes upright storage of factory-sealed containers in a dry place <80F.

## APPLICATION

Before use, read Preparation, Hazard and Precautionary Statements. ALWAYS TEST using the equipment and procedures prior to starting the job.

## TYPICAL COVERAGE RATES

Concrete Sealed with ROCKHARD QUICK SEAL: 400-600\* square feet/gallon

Densified, 800+ grit Polished Concrete: 600 - 800\* square feet/gallon

Metal: 600 - 800 square feet/gallon

Existing Coating: 600 - 800 square feet/gallon

\*Coverage rates will vary based on substrate porosity and application method.

## HORIZONTAL SURFACES

While container is closed, gently shake to avoid air entrapment and air bubbles in finish. Ensure surface is free of any dust, debris and other contaminants. Dust may settle back onto floor between surface preparation and application and may affect finish of T200 CLEAR COAT. Wipe floors immediately prior to applying T200 CLEAR COAT to ensure dust is removed. T200 CLEAR COAT can be applied directly to concrete only if concrete is densified, 800+ grit polished concrete. If concrete is troweled, ground, honed or polished under an 800 grit finish, apply ROCKHARD QUICK SEAL prior to application of T200. Refer to ROCKHARD QUICK SEAL instructions and TDS for how to install properly. Once





surface is clean and dry, T200 CLEAR COAT application may begin. Use an acetone proof pump sprayer (ex. Swissmex) with a cone tip. Keep spray tip 18 inches off the ground and apply product slowly in a circular motion, similar to how a stain is sprayed on concrete. Spray one coat, 3-4 mils WFT keeping a wet edge, with the goal to create a wet, reflective film as you are spraying. Only one coat is applied, it is very important to take your time - GO SLOW TO LET IT FLOW. Overhead light or a spotter is helpful to gauge wet film thickness as product is applied.

## APPLY OVER EPOXY

Apply T200 CLEAR COAT over Epoxy Wet on Wet (WOW Method): T200 can be applied over epoxy while epoxy is still wet.

## APPLICATION STEPS:

- Pour T200 into acetone proof pump sprayer. Pump until significant resistance to further pumping is achieved to create plenty of pressure to prevent drips or sputtering.
  - Pump sprayer must have a cone tip.
  - Apply epoxy as normal.
  - Let epoxy flow out for 20 minutes after application.
  - After epoxy flows out for 20 minutes, there is a 30 minute window to apply T200 over the epoxy while it is still wet.
  - Walk over epoxy with spikes.
  - Spray apply T200 over epoxy, keeping spray wand 18 inches off floor, spraying in circular motions, similar to how acetone dye is sprayed when staining concrete.
  - Overlap wet edge of previous pass 50%.
  - To repeat above point, after the epoxy has flowed out for 20 minutes, there is a 30 minute window to apply T200 while epoxy is still wet.
  - When planning application route, ensure applicator ends at an exit to avoid walking over recently applied T200.
- Top coating epoxy less than 2 weeks old: If coating over epoxy the day after epoxy is applied, or between 1 – 14 days old, spraying T200 may create air bubbles in T200 film. To eliminate bubbles, apply T200 with a flat mop/microfiber pad using the following method:
- Solvent wipe floor prior to T200 application to remove dust, dirt, grime and debris.
  - Add 8 oz of Xylene per 1 gallon of T200.
  - Pour T200 into acetone proof pump sprayer.
  - Remove spray head from acetone-proof sprayer wand so that there is an open end.
  - Pump Sprayer 7 pumps to achieve a nice, even flow of T200 out of open end without sputtering.
  - Saturate 17" flat-mop pad/microfiber with T200 w/ xylene added
  - For best results, use two people to install application: Installer 1 apply T200 in ribbons while Installer 2 spreads product with flat mop/microfiber pad.
- Installer 1: Place open end of wand on floor. Keeping open end of wand pressed to the floor to avoid splashing, apply a ribbon of T200.
- Installer 2: Stay 3 feet back following behind Installer 1, spreading the ribbon with the saturated flat mop/microfiber pad. While spreading, flat-mop head should be angled diagonally, about 45 degrees, so that the top half of flat mop is leading the back half.
- Do not overwork T200 with microfiber – ONE SWIPE, ONE TOUCH.
  - Installer 2 retrace path, overlapping previously applied area 3 inches.
  - When Installer 2 retraces path back to starting point, Installer 1 applies ribbon of T200 on the wet edge of the previous, retraced path, with Installer 2 following 3 feet behind and repeating application technique.
  - Installer 1 does not apply a ribbon while Installer 2 is retracing path, Installer 1 only applies ribbon on wet edge of the retraced path, otherwise too much product will be applied.
  - When planning application route, make sure Installer 1 and Installer 2 end application at an exit so that they do not have to walk across recently applied T200 to exit.

## VERTICAL SURFACES

While container is closed, gently shake to avoid air entrapment and air bubbles in finish. Ensure surface is free of any dust, debris and other contaminants. Once surface is clean and dry, T200 application may begin. Use an HVLP spray gun with a 10 micron filter set to 25 PSI, with a 1 inch by 8 inch elongated, vertical spray pattern. Spray one coat 2-3 mils WFT in a cross hatch pattern, left-to-right and top-to-bottom being one coat, keeping a wet edge while applying.

## EQUIPMENT CLEAN UP

Clean tools and flush out spray equipment with acetone within 15 minutes after application. Once product cures, it can not be removed from spray equipment.





## LIMITATIONS

As treated and untreated surfaces look similar, finish work on an obvious point such as a corner or mark where you have stopped. When you start work again you can apply over the dry edge without sanding.

## CAUTION

If using spray application method in an enclosed space, make certain to tent off the area being sprayed with plastic tarps to avoid spray dust from traveling and contaminating other surfaces with over spray dust. Tented and enclosed areas always require to be positively supplied with fresh air and have ventilated exhaust to outside using fans. Never spray near any open flame or any possible source of ignition such as pilot light, or anything that may spark, as this may cause ignition and explosion of the fumes and vapors. (In enclosed areas, make sure to have an observer watching the applicator for any signs of physical distress.)

Wash surface with a low-pressure hose or wipe down with damp rag to remove dirt and spills. Although T200 is highly 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 400 grit sandpaper and reapply touch up to T200. If substrate is damaged, make necessary repairs first, then re-apply T200.

## WARRANTIES AND DISCLAIMERS

Xtreme Polishing Systems, a Florida, USA LLC warrants that this product shall conform to the technical specifications published in the product literature. The quality and fitness of the product is dependent upon the proper use and application of the product by the applicator. Xtreme Polishing System has no role in the application of the finished polymer other than to manufacture and supply its components. It is vital that the person applying this product understands the product and is fully trained and certified in the use of spray equipment and application of sol-gel materials. There are no warranties that extend beyond the description on the face of this instrument, except when provided in writing, directly by Xtreme Polishing Systems and executed under seal by a company officer, upon the proper mixture and application of the components by the applicator.

