"Pour, Roll, and Broom" Application Instructions for **KrystalSeal™** Penetrating Epoxy Sealant onto *ROUGH outdoor* concrete

SURFACE PREPARATION

Refer to the **KrystalSeal™** *Data Sheet* for product preparation prior to application.

1.) The surface to be sealed must be completely clean of all contaminants prior to application.

2.) Shot-blasting, or any normal industry-acceptable method of concrete surface scarification, may be required to remove any and all chemical stains or deposits, and to open the porosity of the concrete for maximum sealant penetration. Surface should remain rough for wheel traction.

3.) Any and all water must be completely evaporated for maximum sealant penetration.

"POUR-and-ROLL" APPLICATION

(For standard *Airless Spray Equipment*, see separate instruction sheet)

Equipment & Materials required for *Pour-and-Roll* method: (*STORE* **KrystalSeal™** at @ **75ºF**)

- Clean pails or half-barrels to hold 5-, 10-, or 14-gallons of **KrystalSeal™** being mixed;
- @ ½-horsepower electric drill with an *impeller* mounted on a 2-foot shaft (for large quantities);
- Acetone (or M.E.K.) as thinning solvent, for normal, hot or cold weather application;
- Several medium-nap to heavy-nap (lamb's wool) **phenolic**-core rollers on @ 6-foot poles;
- A stiff, coarse, outdoor-type bushbroom (expendable);
- Acetone, M.E.K., or Lacquer Thinner as cleaning solvent.

1.) Pour one (1) or two (2) pails of **KrystalSeal™** *Base Compound* into empty, clean, container. (14-gal kit requires two 4.67-gallon base pails; 10-gal kit requires two 3.33-gal base pails).

2.) Thoroughly mix Acetone into *Base Compound* until uniform viscosity is achieved. For <u>COLD</u> weather add @ 10% volume Acetone; For <u>normal or HOT</u> weather add @ 5% Acetone.

<u>COLD</u>:	<u>HOT</u>:
to 1-GALLON kit, add 13-ounces Acetone;	add 6-ounces Acetone;
to 5-GALLON kit, add 2-quarts Acetone;	add 1-quart Acetone;
to 14-GALLON kit, add 6-quarts Acetone.	add 3-quarts Acetone.

3.) Mix pre-measured **KrystalSeal™** *Curing Agent* into *Base Compound* for several minutes until uniform, as outlined on *Base* label and/or *Data Sheet.* Use an approx. ½-horsepower electric drill with an *impeller* mounted on a shaft, to affect proper mix of 5-, 10-, or 14-gal kits. Mixed epoxy material will <u>begin to heat noticeably</u>. 1-gal or 5-gal kits can be "box" mixed.

4.) In cold weather, allow covered mixture to reach 90 - 100ºF. <u>DO NOT DELAY</u> pouring mixture, as extremely high temperatures are possible with more than 5-gallons of epoxy. Use extreme caution when handling hot mixture. In normal or hot weather, pour immediately after mixing.

5.) Pour mixture across concrete area in long, manageable stream. Porosity of concrete will determine coverage. 5-gallons of **KrystalSeal™** will cover approx. 700 sq.ft.; 14-gallons weighs 140-pounds, and will cover approx. 2,000 sq.ft. Wipe barrels or pails as clean as possible for re-use. 1-gallon kits cover 137-150 sq.ft.

6.) Immediately roll **KrystalSeal™** into concrete porosity by pushing "bead" of material across concrete. Coated concrete should look very wet, but leave no standing pools of **KrystalSeal™**. Roll in multiple directions to evenly distribute **KrystalSeal™** material across area to be coated.

7.) At 75ºF, **KrystalSeal™** should penetrate concrete within 20-minute. Use pushbroom to sweep standing, excess **KrystalSeal™** to drier concrete. At 75ºF, dry-to-touch is 6- to 8-hrs.

8.) Repeat mixing procedure for next area to be covered.

9.) For every 10ºF drop, the tack time, dry time, and cure time will double. Standard application <55ºF is not recommended. Electric heating and "smooth concrete" instructions available.