

“Airless Spray Equipment” Application Instructions for **KrystalSeal™** Penetrating Epoxy Sealant

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.) Shotblasting, or any normal industry-acceptable method of concrete surface scarification, may be required to remove any and all chemical stains and deposits, and to open the porosity of the concrete for maximum sealant penetration.
- 3.) Any and all water must be completely evaporated for maximum sealant penetration.

APPLICATION

KrystalSeal™ may be applied with standard *Airless Spray Equipment*, or by *Pour-and-Roll* method (separate instruction sheet).

Equipment & Materials required for *Airless Spray Equipment*: (STORE **KrystalSeal™** at @ 75°F)

- Clean half barrels, large enough to hold full amount of **KrystalSeal™** being mixed;
- Standard **Airless** Spray Equipment, including diaphragm pump rated at @ 3000 p.s.i.; at
- Stiff, coarse, outdoor-type pushbroom (expendable);
- Methyl Ethyl Ketone (**M.E.K.**) as thinning solvent, for hot weather, or cold weather
- Lacquer Thinner as cleaning solvent.

- 1.) Pour one (1) or two (2) containers of **KrystalSeal™ Base Compound** into empty, clean, half
- 2.) Thoroughly mix **M.E.K.** into **KrystalSeal™ Base Compound** until uniform viscosity is
COLD: to 1-GALLON kit, add 13-ounces M.E.K.;
to 5-GALLON kit, add 2-quarts M.E.K.;
to 14-GALLON kit, add 6-quarts M.E.K.
- 3.) Now, thoroughly mix proper pre-measured amount **KrystalSeal™ Curing Agent** into
- 4.) Use an @ ½-horsepower electric drill with an *impeller* mounted on a shaft, to affect proper
- 5.) Pour mixture into 5-gallon bucket for syphon tube feed to airless compressor. 5-gallons of
- 6.) Spray **KrystalSeal™** onto concrete at @ 5- to 6-mil WFT, or until concrete looks very wet,
thin areas.
- 7.) At 75°, **KrystalSeal™** should penetrate concrete within 20-minute, and longer at cooler
temps. At that time, use pushbroom to sweep any standing pools to dryer areas of coated concrete.
- 8.) Repeat procedure for next area to be covered.
- 9.) For every 10°F drop, the tack time, dry time and cure time will double. Application below