



OVER-KOTE PLUS™

Specialty coating, sealer and bonding agent

**Formulated especially as an external gas tank coating.
Hundreds of other uses as a coating, sealer and adhesive.
One part system saves time and problems over 2 part systems.
Plastic fibers give added strength.
Sticks to most wood, metals, glass, porcelain and concrete.
Fast drying time.**

Over-Kote *Plus* is a specialty urethane coating which took almost two years of research and development to perfect. It combines the superior adhesion of urethane with plastic fibers for added strength, along with flexibility for resistance to cracking.

Labor Saving: Over-Kote *Plus* saves mixing time because it is a one-part system. It also eliminates the problems caused by inadequate mixing of epoxies.

Quick Drying: Over-Kote *Plus* is classified as quick drying, but takes long enough that premature set-up is not a problem. It cures upon contact with the humidity present in the air. The higher the humidity the faster the curing. In dry climates it takes about two hours to be safe for light handling. In about four hours the tank can be safely reinstalled. As with all urethanes, complete curing takes about twenty-four hours.

Tough: Over-Kote *Plus* was formulated specifically for adhesion to metal fuel tanks in the hostile environment under cars and trucks. It sticks like crazy to metal, but its ability to stick is improved by sand blasting or at least by solvent cleaning of the metal. Special proprietary plastic fibers have been added to improve its resistance to cracking, chipping or peeling. Because of the fibers, the overall appearance of the coating is uneven or rough. It has a matte to satin appearance.

Chemical Resistance: Over-Kote *Plus* is very resistant to most solvents and chemicals after curing. In fact it is nearly impossible to clean brushes or tools after curing. While still tacky it may be cleaned up with most paint

thinners and solvents.

Sticks to most everything but plastics: Bonds very tightly to most dry wood (not oily woods), metals, glass, porcelain, ceramic and concrete. Also bonds to some paints, varnishes, plastic and fiberglass. Be sure to test any of these last on scrap material to see if it will work. Sanding the surface may help in bonding. We can't guarantee uses involving paint, varnish, plastic or fiberglass.

Application: Just brush it on and let it dry. Light rust is sealed in and pin-holes are sealed. A pint covers two average gas tanks.

Instructions: External coating of gas tanks

1. De-fume gas tank by cleaning with a de-fuming chemical, by oven or by steaming for 10-15 minutes.
2. Sand blast the outside of the tank to remove rust and to rough up the surface so that the Over-Kote *Plus* will adhere properly. Use #1 silica sand. You can use #2 or #3 but Over-Kote *Plus* does not require the extremely rough surface that other coatings require. Do not use steel shot or aluminum oxide. If the tank was not de-fumed, you must ground the tank before sand blasting. The tank must be free of rust, undercoating, grease and dirt.

If you cannot sand blast the whole tank at least sand blast the badly rusted areas. Use acetone to clean and prepare the tank if not completely sand blasted.
3. Flush the tank thoroughly with water to remove all the sand. If the inside needs cleaning for proper Red-Kote® adhesion, do it now.

4. If you put a hole in the corner of the tank to drain Red-Kote you should solder in a drain cock or solder on a patch. Do not just patch over the hole with Over-Kote Plus.
5. Repair large leaks or holes by soldering or epoxy. Repair as many of the smaller leaks as you are able to. Be sure to sand blast all soldered areas. Over-Kote Plus does not stick well to smooth soldered surfaces or to flux residue.
6. Apply Over-Kote with a 2 inch paint brush. Any type of brush may be used. Use a cheap brush if you don't want to have to clean it. Just throw it away. A smaller brush may be needed to get into the rolled down seams around the edges of some tanks. (Horse hair acid swabs work great for this.) Over-Kote Plus does not level as well as paint so apply liberally and brush well to avoid missed spots. Coat one side and wait 1 to 2 hours for the first side to dry before turning the tank over. If you want you can use four nails hammered through wood supports to hold the tank and turn it over while still tacky. The nail points break loose easily and leave almost no marks. Any other convenient method of support can be used. If any metal, wood or concrete touch the coating they will be glued tight.

The coating should be applied at temperatures above freezing. Temperature has little affect on the drying time. The coating cures by reacting with moisture in the air. The higher the humidity, the faster it dries. The lower the humidity, the slower it dries. In dry winter weather about 2 hours are required before you can turn the tank over. The coating is dry enough to handle in 4 hours. Complete curing to maximum strength takes about 24 hours.

7. Red-Kote may be applied to the inside as soon as the Over-Kote Plus sets enough to handle the tank. All exterior gas tank coatings must, in our opinion, have an internal coating also. If you want to eliminate future problems you must use Red-Kote. We will not guarantee any gas tank done with Over-Kote Plus alone. Any coating will come off if gas gets between the metal and the coating.

Repairing holes in gas tanks: The best method is to solder a sheet metal patch over the hole before applying the coating. Sand blast the soldered areas. Holes should be repaired with a metal patch cut to size, hammered to fit and sand blasted. (1010 sheet metal works well)

A Multitude of Other Uses: Our customers are very inventive. The following uses have all been tried and recommended by them.

Over-Kote Plus can be used to protect many metal items from rusting. Some have painted their mailboxes with Over-Kote Plus. Iron posts, frames, fencing, chassis, tools, equipment, tanks, bins, buckets, etc. Do not use in a container that will hold potable water. Follow the general directions for gas tanks as applicable.

Underside of mower decks: Prevent rusting and make cleaning out dried grass and mud easier. Remove blades and belts and thoroughly sandblast the underside to remove loose paint, rust and debris. Rinse, wipe with acetone, dry and brush on Over-Kote Plus.

Steps, fenders, running boards, etc. on trucks and equipment which become slippery when wet. Topside of mower decks. Prepare the surface as necessary so that Over-Kote Plus has a solid base of paint or metal to stick to. Wipe with acetone and let dry. Apply a thicker (1/8 to 1/4 inch) layer of Over-Kote Plus. Immediately sprinkle sand of the grain size you desire thoroughly over the tacky Over-Kote Plus. Lightly press the surface with a rag to make sure the sand has good contact with the coating. When set, sweep off the excess sand. You have a tough anti-slip surface.

Brush cleaning: Use acetone, methyl ethyl ketone, or xylene (xylol) to clean brushes. Brushes and spills must be cleaned within 15 minutes or they may not come clean with xylene. Try acetone or M.E.K. After set-up, even they will not work. Over-Kote is highly chemical resistant. Clean coating off skin with xylene or acetone and then wash with soap and water. Brushes should be clean and dry before re-use.

Thinning: Do not thin this coating.

Spraying: Will not spray due to the fiber content.

Coverage: One pint will cover about 16 to 20 square feet (1.8 to 2.2 m²) or two average sized gas tanks. .

Unopened Shelf Life: Like all urethanes Over-Kote Plus slowly reacts with moisture and becomes thicker and finally hardens. Shelf life is at least two years if unopened.

Opened Shelf Life: Since the product cures by contact with moisture in the air, a resealed can may begin to harden. Typical self life of a half-full can is one to two months. This depends on how humid the air was when first opened. One way to extend the self-life after resealing the can lid is to shake the can vigorously. This disperses the moisture evenly in the product and prevents a hard skin on the surface. The product will still slowly gel or harden.

Resealing A Partially Used Can: Seal the lid tightly to help prevent hardening. If product is on the lip of the can the lid may be permanently glued on.

If a lot of moisture got into the product on a humid day gas may build up pressure in the sealed can. **Always use caution to protect your face when opening a partially used can.**

Packaging: 12 metal pint cans per case.

