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GAS TANK SEALER Application Instructions

READ THIS COMPLETE INSTRUCTION SHEET BEFORE STARTING

Preparation

1. All traces of oil and gasoline should first be removed by going to **Step 2 for plastic tanks or Step 3 for metal tanks**. If you should decide to use acetone when doing a fiberglass or plastic tank use extreme caution. Do not allow solvents to stay in the tank over 10 minutes. Dispose of the contaminated solution. Allow to dry.
2. **For Plastic or Fiberglass tanks:** wash the tank with Dawn Dish Soap, Hot Water and the drywall screws. These will rough up the surface. Rinse with Hot water and allow to thoroughly dry then go to **step 5**.
3. **For Metal tanks** place a hand full of drywall screws with about a pint of acetone or lacquer thinner into the tank and shake them around vigorously for several minutes. These will dislodge any loose particles of rust, and in the case of plastic/fiberglass, rough up the surface. Dispose of the contaminated solution. Allow to dry.
4. **ADDITIONAL STEP FOR ALUMINUM TANKS:** Add two tablespoons of LYE (Drano) to one gallon of water. ADD LYE TO WATER, NOT WATER TO LYE. WEAR PROTECTIVE GEAR. SLOSH the solution around in the tank for 30 seconds. Pour solution out and dispose. Rinse with water and pour off. Add 8oz of vinegar into a quart of water and slosh around in tank for 30 seconds. This neutralizes the lye. Pour off and rinse with water. Allow to dry.
5. Apply duct tape or masking tape to any weeping seams, holes or porous areas. This will stop any Gas Tank Sealer from oozing out, and will allow it to bridge over the hole. Plug the outlet ports with putty or Play-Doh.
6. If the tank has a good paint job, protect it from resin spillage by coating with THREE coats of Caswell Seal Mask masking liquid. This paints on and then peels off. For extra protection, you can cover with cling film, then aluminum foil, then another layer of cling film.

Mixing

BAD MIXING AND BAD MEASURING IS THE #1 CAUSE OF FAILURE!! USE ONE KIT PER TANK

Mixing ratio is 2 parts of A to 1 part B. Gas Tank Sealer resins should be at room temperature. Store your resin and gas tank at room temperature for 12-24 hours before mixing, so that it is at the correct temperature. Resin colder than 70°F will make resin thick and not flow well, hotter than 85°F will make it runny, so it doesn't stick to the sides well and it will cure too quickly. The tank and the resin should be at the same temperature. If the tank is hotter than the resin, it will cure the resin faster, reducing your working life and coverage. Resins stored in a garage that is 90°F, used at that temperature, would HALF the working time or worse. At 70°F, the material will have gelled in 30 minutes, so it is important to have wetted the tank walls with the sealer within 10-15 mins of mixing.

Mix up the required amount of Gas Tank Sealer (Coverage will depend entirely on the total surface area of the tank, not the volume)

There is NO relationship of volume to surface area, ie: Tank: 12"x 12" x 12" = 7.48 gals = 864 sq inches

Tank: 12" x 144" x 1" = 7.48 gals = 2040 sq inches

IT IS NOT RECOMMENDED TO TRY TO USE THE KIT TO TREAT TWO SMALLER TANKS. MOST FAILURES OCCUR FROM IMPROPER MEASURING AND MIXING. DO NOT mix anything less than HALF UNITS! You may apply a second application within 24 hours if you want to use up the resin. This is, of course, good insurance on a bad tank, or one with many baffles etc.

In a separate plastic container (margarine tub etc.) mix the two parts together thoroughly for at least 2 minutes. Scrape around the sides to ensure all resin is blended together. Apply the sealer IMMEDIATELY after mixing completely. Waiting 5-10 mins will reduce your working time and coverage rates, as the resin will have already started to cure.

In the event that the viscosity is too thick from working in higher temperatures which is inevitable, you can add a small amount of Xylene or lacquer thinner to the mix (no more than 5% - i.e. 1 fl oz in the motorcycle kit, 2 fl oz in the car kit). This serves to retard the cure cycle and thin the sealer somewhat to allow easier coating coverage. This is also advisable if you plan to split the sealer between two tanks.

Application

1. Pour into the tank, then immediately seal up the filler hole with GLADWRAP and an elastic band. Rotate the tank around in every direction for several minutes to obtain a good layer of Gas Tank Sealer over all surfaces. Remove the filler cap, GLADWRAP seal, and pour out any excess. Allow to drain upside down for a few minutes.
2. If you have a built in fuel filter, blow air into the fuel line port for about 10 minutes. This will clear the filter of any Gas Tank Sealer.
3. Trim up any excess material as soon as the Gas Tank Sealer becomes plastic like. This can be scraped out with a sharp knife at this point (usually about 40-60 Min after mixing) Place the tank in a warm 70-90°F place and allow to cure for 24-36 hours before putting gasoline in the tank.
4. If you want, or need to apply a second coat, you must do so while the first coat is still tacky (usually within 24 hours)
5. If you can elevate the temperature of the tank to 140 °f for 4 hours, this will 'post cure' the resin and the tank may be put into immediate service.

Care

Avoid the use of fuel additives that contain Methylene Chloride (Lucas Gas Treatment), or Mineral Spirits (Marvel Mystery Oil). Sta-Bil ethanol treatment is ok to use. If in doubt, avoid.