



# US TANK SEALER

Revised 26.08.10

## APPLICATION INFORMATION

***As we cannot control the quality of preparation and application done by owners or their agents we do not approve this product for use in aircraft or built-in boat petrol tanks***

Almost all fuel tanks are dirty and have to be cleaned out before sealing. It is very difficult to see the dirt and contamination inside the tank, but it is there. The "gum and varnish", is almost always invisible to the naked eye. If you try to seal a tank without cleaning it first, the new coating will fail, because the tank sealer will not stick to gum or varnish.

Here is how to clean a fuel tank , up to 100 litres

### 1. MARINE CLEAN:

A . Mix 1 litre of Marine Clean with 1 litre of very hot water and pour it into the tank .

GLOVES AND EYE PROTECTION SHOULD BE WORN AT ALL TIMES.

B. Shake the tank, then place it in different positions if it is really dirty, this can be done over a 2 hour period, so that the solution can cover all the inside surfaces.

C. When all surfaces have been subjected to the cleaning solution, shake it again, then dump the solution out of the tank, rinse it with water, dump out the water.

D. If there still appears to be some gum or varnish remaining in the tank, repeat the process.

E. If clean, rinse the tank out with fresh hot water, drain thoroughly.

### 2. METAL READY:

A. Pour the metal ready into the tank, shake well, rotate the tank ensuring that the Metal Ready treats each side for 1/2 an hour keeping the coating wet.

B. Pour out the Metal Ready. Then rinse the tank thoroughly with hot water several times and drain it.

C. In order to get the tank completely dry, you must blow warm air into it for a long time, with either a heat gun or hair dryer. No tank will dry out on the inside by itself. the only way to do this is to use forced air.

**TANKS MUST BE COMPLETELY DRY INSIDE BEFORE SEALING. THE SEALER WILL NOT STICK TO A DAMP OR WET TANK.**

**STIR TANK SEALER WELL BEFORE USING**

### 3. TANK SEALER

A. *Seal all holes except the one to be used.*

B. Pour in the entire can of Fuel Tank Sealer (100 lt tank) and "roll" the tank around so that all surfaces come in contact with the sealer.

C. Drain for at least 30 minutes to ensure that the sealer has not "puddled" in the tank. ,

**WARNING:**

**RETURN USED SEALER FROM THE TANK TO THE CAN. DO NOT RE-SEAL WITH THE LID. Any moisture present could cause the sealer to rapidly release carbon dioxide. LEAVE THE LID OFF so the tank sealer cures letting the carbon dioxide disperse and the tank sealer to harden.**

D. Leave the can open and it will harden overnight.

Dispose of correctly the next day.

*Special care must be taken to make sure the sealer does not clog up feeder lines, filters or other tubes inside the*

*tank, and the tank must be left on it's head before drying so the sealer does not "puddle" in places where it could cause problems. (puddles cause air bubbles.)*

E. Allow at least 3-5 days for the sealer to dry. Air dry the tank in a well ventilated area. Maximum cure will be reached in 96 hours. Cure time can be improved by using a low pressure blower or hair dryer (low or no heat) and circulating air through one hole in tank and out another.

**PATCHING:** When the holes in the tank are too big to be sealed by the sealer alone, the best time to add patches on the outside of the tank is when you have finished drying the tank after using the Metal Ready, Here's how you do this. Rough up an area about 3 cm larger than the hole and use the Marine Clean and Metal Ready on it. Paint the area where the hole is with US Tank Sealer or POR-15 then place a piece of reinforcing fabric into the paint. Now paint the cloth outward from the centre with more Tank Sealer, soaking the cloth. Re coat in 3-5 hrs with Tank Sealer / POR-15.

You have now sealed the tank from the outside. Now continue on the inside sealing. Remember it's important to use Metal-Ready on the inside and/or the outside, because the adhesion must be perfect. After the tank is sealed, wait at least 5 days before putting fuel into it.

### OLD SEALER:

Sometimes you will be asked how to seal a tank that was sealed years ago with some other sealer that has now failed. In this case, you must use our paint stripper to remove the old sealer. 3 litres of Paint Stripper should remove the paint from a 100 litre tank. First, pour in about a 1/4 of stripper and let it work on each inside surface. It may take 4 applications to do the job completely. The old finish may come loose in chinks or pieces or strips, so a long tweezer type tool is helpful for removal. After the stripping job is done, the tank should be rinsed out with hot water and then cleaned with Marine Clean. Not an easy Job, but it is the only way to do it correctly. Customers who follow the directions correctly will always get a perfect job.

### WHAT ARE SOME TYPICAL PROBLEMS REQUIRING NEED OF SEALER?

- Tanks maybe very rusty inside due to years of non-use.
- Tanks may have gunk or caked sludge inside, which must be removed and the tank walls must then be coated.
- Tanks may have pinhole leaks or leaking seams.
- Tanks may have a combination of the above.

### CAN MY TANK BE TREATED WITHOUT HAVING TO REMOVE IT FROM THE CAR?

Usually not. Occassionally a tank will have a small leak on the bottom which can be outside patched without removal, but this is the exception. Proper fuel tank sealing almost always requires tank removal from the vehicle.

P.T.O.



## US TANK SEALER continued

### ***DOES US FUEL TANK SEALER CONTAIN "RUST INHIBITORS" THAT OTHER SEALERS CLAIM TO HAVE?***

Any chemical can be called a rust inhibitor, since practically all coatings will stop rust for a short period of time until they are destroyed by moisture or wear and tear. Some types of oil have been known to inhibit rust for a limited period of time. The only real way to stop rust permanently is to keep moisture and air away from the metal with a non-porous coating that will get stronger as it is exposed to moisture. Only the US Standard Tank Sealer does this and that's why it's the best product to use.

### ***HOW MANY TYPES OF FUEL TANK SEALER ARE THERE?***

There are two types of tank sealer other than US Tank Sealer, and they are similar to each other in basic structure:

- A. PVC type sealer is similar to the adhesive used to seal PVC pipe as used in waste disposal lines, sewer lines, etc. This material is white in colour, coats well, but doesn't fill holes or seams well because it has poor film strength and is essentially an adhesive rather than a coating. It is highly flammable and has strong ketone vapours which are dangerous to people with heart conditions.
- B. PVC type non-curing sealer is yellow in colour and will dissolve in petroleum containing alcohol and other additives, which makes it dangerous to use in ANY fuel tank. It adheres well but never loses its stickiness, and can easily be scratched off with your fingernail. Contains highly hazardous ketone solvent M.E.K.

### ***WHAT PREPARATION IS REQUIRED BEFORE USING US FUEL TANK SEALER? We strongly recommend the following steps to get the right results.***

1. **MARINE CLEAN:** If tank contains sludge, gums, varnishes, or rust due to years of neglect or non-use, it should first be cleaned thoroughly with POR-15 Marine Clean to remove all foreign matter. Mix 1 litre of Marine Clean with 1 litre of hot water, put in tank for up to 24 hours and agitate frequently. Repeat process until tank is clean.
2. **METAL READY:** Next use POR-15 Metal Ready to etch the inside surface of tank and to remove all rust. Rinse tank thoroughly with water several times to remove all remnant chemicals and blow dry with heat.
3. **TANK MUST BE COMPLETELY DRY INSIDE BEFORE USING US FUEL TANK SEALER.**
4. Pour in the Tank Sealer and rotate until a 100% coverage is achieved.
5. Allow to cure for 3-5 days.

### ***SHOULD I ALWAYS USE A FUEL TANK SEALER AFTER THOROUGHLY CLEANING OUT MY TANK?***

No. Fuel Tank Sealer should be used as a last resort, and is not always necessary. Fuel tanks that are rust-free and have no pinholes or leaks may not need sealing at all. They should however, always be kept full of fuel, which prevents condensation and further rusting. If vehicles are not used frequently, fuel tanks should be kept full and treated with POR-15 Fuel Preservative/Stabiliser, which will keep fuel fresh for more than 2 years and ensure quick starts even after months of non-use.

### ***CAN US FUEL TANK SEALER BE REUSED?***

No. Used Fuel Tank Sealer should be discarded because it absorbs moisture from the atmosphere during application and will not adhere properly a second time.

**Left over sealer may not be used again. Pour it into the can or another container. DO NOT SEAL and let it sit until the next day when the sealer is hardened. If can then be disposed of according to local regulations for paint cans.**

**DANGER: HARMFUL OR FATAL IF SWALLOWED  
KEEP OUT OF THE REACH OF CHILDREN.  
CONTAINS PETROLEUM DISTILLATE COMBUSTIBLE. USE ONLY IN WELL VENTILATED AREAS.  
DO NOT RE-USE SEALER.** Let drained sealer dry in open can, then discard in accordance with local regulations. Avoid breathing vapours directly from can. Avoid contact with eyes and skin. Use POR-15 Solvent or lacquer thinner to remove sealer from skin, then wash with soap and water.

Please remember these instructions are general guide lines only and cannot and do not cover every application and environment. If you remain unsure as how to proceed, please call toll free 1-800 643 229.

The information set out in this flier is, so far as can be ascertained, true and accurate, but all recommendations or suggestions are made without guarantee.

Since the conditions of use of the Products sold by Permanent Painted Coatings Pty Ltd (Australia) ("PPC") are beyond the control of PPC ("the company"), the Company to the full extent allowed by law, disclaim any liability with respect to damage, injury or death consequent upon the use of the Products or consequent upon the use of the information contained herein.

The Company warrants that the Products supplied hereunder shall conform to the description or specification stated in this flier. The Company makes no warranties that Products supplied are made to certain industry specifications. To the full extent allowed by law, the liability of the Company with respect to any breach of the aforesaid warranty shall be limited, at the option of the Company, to payment of the cost of replacing the Products or of acquiring equivalent products and in no case shall the Company be liable for consequential loss or damage.

In no case will the Company be liable to defend or pay any award of damages assessed against the buyer in any suit or cause of action alleging that the use of the Products supplied hereunder infringe any patent. The Company hereby expressly disclaim any written or unwritten, express or implied representation, warranty or condition against infringement of any patent with respect to such goods.

#### **PERMANENT PAINTED COATINGS PTY LTD**

Unit 1/4 Prosperity Parade  
Warriewood,  
NSW 2102

**Phone free** 1-800 643 229;

**Phone** 02 9999 0122;

**Fax** 02 9999 0394

**Website:** www.ppcco.com.au

**Email:** sales@ppcco.com.au

