



Red-Kote® Dry FUEL TANK LINER

The toughest, most flexible and best adhering liner for fuel tank repairs. Seals small leaks and prevents rust in metal tanks. In use on over 1.5 million vehicles including cars, motorcycles, trucks, boats and airplanes.

To order, contact us.

- **STAYS FLEXIBLE** – Will never crack or peel off.
- **ALCOHOL RESISTANT** – No expensive come-backs.
- **BRIGHT COLOUR** – You can see results.
- **COVERS RUST** – Seals old rust in and prevents future rusting.
- **SEALS LEAKS** – Gets the multitude of pin-holes you can't find.

Red-Kote® is a new polymer coating developed by Damon Industries. Red-Kote® is resistant to petrol, diesel fuel, alcohol and other fuel additives. Its major use is to seal leaking fuel tanks. Solvents such as methyl ethyl ketone, Acetone, methylene chloride and propylene oxide will completely dissolve the polymer. Other industrial solvents will affect the coating but, not completely dissolve it.

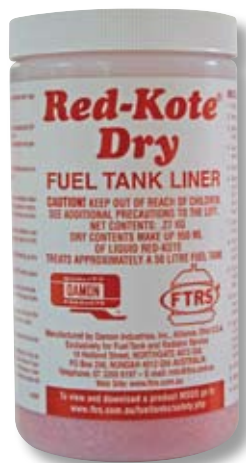
Red-Kote® is easy to use if the directions are followed closely. It seals the multitude of small leaks that often form where the straps wrap around the tank. You fix the obvious leaks and Red-Kote® seals the rest.

Contrary to what some people will tell you, rust does form inside petrol tanks. The cause is condensation and water in petrol. Red-Kote® seals rust under the coating so it cannot flake off to plug fuel-line filters or cause engine damage. Further rusting is reduced also.

Red-Kote® is a safe and sure way to solve your problems. Red-Kote® also offers the advantage of not interfering with the reinstallation of the tank. External coatings, especially fibreglass, are sometimes too thick to allow reinstallation with the original straps and bolts.

Packaging

Contents make up 950ml of liquid RedKote. It is backed by Damon's guarantee and over 53 years of service.



Some of the specific advantages of Red-Kote® are as follows:

1. The coating is very flexible and does not crack as do some of the others. This gives the repair a much longer life. Tanks coated in 1984 are still doing well.
2. The polymer was specifically chosen because of its tight adhering qualities. In comparison to some other coatings, Red-Kote® does not peel off even when the metal is bent. This protects against loosening of the coating by vibration or denting of the tank.
3. Red-Kote® is resistant to methanol. In fuels with a high percentage of methanol the coating is bleached, but remains tightly bonded to the metal. Some petrol tank liners are dissolved by methanol into sticky lumps and strings that plug the fuel line. This will not happen with Red-Kote®.
4. Red-Kote® dries faster than many other sealers saving you time. You can reduce time further by thinning with Acetone and using two thin coats instead of one thick coat.
5. Red-Kote® levels very well. You will not get a wide variation in thickness as with some other coatings.
6. Red-Kote® is thicker and usually requires only one coat as opposed to two coats for many other coatings. Holes up to 2mm may be coated and sealed safely. Rust is sealed in so that it cannot flake off.
7. The bright red color is easily visible – you can be sure you didn't miss a spot. Some coatings are almost invisible. The new dye does not leach into gasoline (turning it pink) when the vehicle is not used for long periods of time.

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MIXING RED-KOTE® DRY WITH ACETONE

WARNING!: Acetone is extremely flammable. Read the warnings on the Acetone label carefully. Do not use Acetone within 5 metres of any flames, pilot lights, electric motors, fans or electric switches. The vapors are heavy and can accumulate on the floor and travel some distance to sources of ignition.

Please read the entire directions before beginning. The most common problems are not screwing the lid on tightly enough and not shaking vigorously enough to get all of the powder wet with Acetone.

1. Remove the lid. Lumps usually form in the product during shipping. Breaking up the larger lumps helps the product to dissolve.
2. Fill the bottle with Acetone to 38mm down from the rim of the bottle. The extra space is needed to allow mixing space during shaking.
3. Screw the lid on very tightly to prevent leaking and shake vigorously for one minute.
4. Remove the lid and add Acetone again to the 38mm level. Replace the lid and shake well for one minute.
5. Repeat step number 4 until all the dry powder has become wet and dark red and the liquid remains at the 38mm level. (About 725ml of Acetone will have been used.)
6. Let the bottle stand with the lid on for 24 hours.
7. Shake well and check for undissolved lumps. If any lumps remain, replace the lid and allow to stand another 12 hours.
8. After the product is completely dissolved and smooth, it will be necessary to top up the liquid again to the 38mm level. You may make the Red-Kote® a little thinner if you like by filling the bottle higher. Shake again for one minute. The Red-Kote® is now ready to use. Keep the lid on tightly until use. (The total amount of Acetone used will be between 750 and 800ml.)

DIRECTIONS:

1. Empty all fuel from tank.
2. Remove sender unit, float, feed lines, filters, anything that could be clogged by the coating.
3. Remove any loose rust by tapping on the tank with a rubber mallet or by tumbling with a piece of chain in the tank. Flush out debris.
4. Clean the tank by steaming for about 15 minutes. Boilout is not recommended because the high alkalinity removes tin from the terne plate. A standard water soluble degreasing chemical works well.
5. Any leaks larger than 2mm should be repaired by soldering or your usual method.
6. Make sure that the tank is completely dry before continuing. This is very important. Without a blower, drying may take up to 12 hours. The use of a blower to circulate air through the tank will cut the time to an hour or so. The fastest method is to drain the tank for 5 minutes and then pour 500ml of Acetone into the tank, slosh thoroughly and pour out. Do not use a blower after using Acetone as an electrical spark will cause an explosion in the tank.
7. Cover all open holes in the tank by plugging or covering with tape, except the one to be used for pouring in the coating.
8. Pour one or two doses of Red-Kote® into the tank and cover the last opening. You can get by with one dose on tanks of about 50 litres or less. We recommend two doses for larger tanks to make sure you get the coating to flow behind all the baffles.
9. Tip the tank onto each side and slosh the coating around to completely cover the inside. Use a rocking motion rather than shaking. It is important to do a thorough job or you may miss parts of the tank behind baffles.
10. Drain out the excess coating and cover tightly to save for reuse. The best method is to stand the tank up with a corner drain hole over a can to collect the excess as it drips out. It is very important that you do not leave puddles in the tank.
11. Open all tank openings to allow the best air flow. Air dry for 8 to 24 hours. When cured there will be almost no solvent smell left in the tank. If the coating is not completely cured before fuel is added the curing process will be stopped. Do not use open flame or an electric element for drying or an explosion may result. Do not blow air into the tank until at least 60 minutes of drying time have passed. Using air sooner may cause bubbles to form in the coating or cause the Acetone vapors to ignite.

12. If the leaks or rust are severe it is a good idea to use a second coat after the first coat dries completely.
13. Reassemble and install the tank on the vehicle.
14. For clean-up use Acetone. If Red-Kote® becomes thick it may be thinned with Acetone.

TIPS & HINTS FROM DAMON INDUSTRIES:

- Do not leave the can open to the air as it will thicken or form a skin on top. When Red-Kote® is reused after pouring it back out of a petrol tank it may need thinning before reuse. Red-Kote® may be thinned with Acetone. Do not use lacquer thinner to dilute Red-Kote®.
- For removing water from the tank prior to coating you may use Acetone.
- It is recommended you punch a hole in a corner of the tank to aid in draining it completely. Then solder in a draincock. Do not solder or weld on the tank after it has been coated. The coating will turn to ash if heated above 120°C.
- Some Red-Kote® customers have reported a way to speed up the process significantly. They are thinning Red-Kote® about 20 – 25% with Acetone (1 part Acetone to 4 or 5 parts Red-Kote®). This allows the Red-Kote® to dry in only a couple of hours in many cases. They also report that using air to dry the inside does not cause the bubbles that form when straight Red-Kote® is dried with air. You will get a much thinner coating. We are told that two of these thin coats still take less time to dry than one thick coat.
- Red-Kote® does not stick well to plastic tanks or to plastic parts inside a petrol tank.
- Do not coat over other coatings. Remove old coatings completely first, using Acetone.

THE TWO MOST COMMON PROBLEMS WE SEE ARE:

- 1) Not completely drying the tank of water before coating. Red-Kote® will not stick to wet metal. When it dries it will peel off in sheets.
 - 2) Not allowing the Red-Kote® to dry completely. If Red-Kote® is not completely dry or has puddles left it will form strings or flecks in the petrol. These may get past the fuel filter and plug carburetors or injectors. Puddles of Red-Kote® left behind baffles or in corners may never dry completely. This is because a skin forms over the puddles and prevents drying underneath. Once the skin ruptures the Red-Kote® forms strings in the petrol.
- Damon Industries guarantees the product only, not your application of it. After application to over 50,000 cars they have seen 7 problems. All were application errors as described above. We have never seen failure due to ageing. Both of these conditions are prevented easily by proper drying. All problems are correctable by stripping out the Red-Kote® with Acetone and recoating.
 - We recommend that you do not to use fuel additives containing Methanol or Methyl Alcohol. There have been instances of methanol pulling the red dye out of Red-Kote® which turns the petrol red. This has not caused any damage to our knowledge.
 - Do not rush the job. In many cases it will take more than one day to do a job worthy of your time.

CAUTION: MAY CAUSE EYE IRRITATION. Persons with sensitive skin may wish to use rubber or latex gloves. Do not take internally.

FIRST AID

Eye Contact: Immediately flush eyes with water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation persists, get medical attention.

Skin Contact: Wash the exposed area with soap and water. If irritation develops and persists, get medical attention.

Inhalation: None

Ingestion: If the product is swallowed, do NOT induce vomiting. If the affected person is conscious, give a glass of water or milk to drink. Get medical attention.