

Health and Safety

Chemical name	Epoxy Coating
Trade name	FLOWLINER
Skin contact	wash with soap & water
Eye contact	flush with copious amounts of water for 15 minutes and seek medical help
Ingestion	seek medical help

Further COSHH notes available on request.

If you need any further instructions or advice:

E-mail info@cwylde.co.uk
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Made in the UK



ARMOUR COAT Fuel Tank Liner

Why use an internal tank coating?

A problem fuel tank should be replaced with a new one, but as often the case they are usually unobtainable, one solution is to have this professionally repaired by welding new metal into the structure or you can prolong the life of your ageing fuel tank by treating and coating the inside, to form an inner lining to seal small leaks and to protect the metal structure from rusting due to the hygroscopic nature of modern fuels. Most fuel tank coatings have and will eventually fail due to the recent introduction of ethanol; **FLOWLINER ARMOUR COAT** is resistant to alcohol products such as ethanol. **FLOWLINER** is there to stay and do the job it has been developed for. **FLOWLINER ARMOUR COAT** is also suitable for sealing fiberglass and to eliminate tank distortion in nylon/plastic tanks.

Description

FLOWLINER ARMOUR COAT is a solvent free white epoxy two part ambient temperature cure product that has outstanding mechanical, thermal, physical and high temperature properties when fully cured.

One Flowliner kit will treat most tanks up to 25 litres, you may use less quantity. The mix ratio is exactly 100 to 25 of hardener measured by weight.

Preparation

Prepare the fuel tank by removing any fuel taps, sensors, filters etc. All exits & threads must be protected & sealed to prevent any leakage. Seal with either a blanking plate, cork or wooden dowel. Internal threads can be sealed with an old petrol tap or a blanking plug. Grease the blanking bolt & screw into the inside of the petrol tank to a depth of about 3mm.

The fuel tank must be thoroughly clean making sure that all traces of stale fuel and oil have been removed. Heavily soiled tanks may have to be cleaned with a strong hot detergent wash to remove fuel deposits. If your tank is rusty, treat with a rust remover such as **FLOWLINER BIO-RUST** a biodegradable safe method of treating rusty components.

Mix the **FLOWLINER BIO-RUST** @ a ratio of up to 20 parts of hot water to 1 part of **FLOWLINER BIO-RUST**, as a guide a one kilogram unit of **FLOWLINER BIO-RUST** will treat up to a 20 to 30 litre tank. When the tank is full leave for 12 to 24 hours do not leave the tank sealed up. It may be necessary to leave the **FLOWLINER BIO-RUST** to soak for up to a week if severely rusted, checking every 24 hours is advised.

Once the rust has been removed drain the fluid into a plastic container, this can now be saved as a dipping solution for any other rusty items. If any rust is still evident in the tank it can be removed by agitating the tank with some sharp gravel, sand, lengths of small chains or nuts & bolts in a litre of **FLOWLINER BIO-RUST**, then wash the tank thoroughly with a hot mild detergent wash, a final rinse with a litre of the used Bio-Rust, empty and let this thoroughly dry, this will protect the steel before the coating process. Make sure your tank is perfectly dry especially around any welded seams.

Mixing

Store the **FLOWLINER ARMOUR COAT** at room temperature for 24 hours before using. Use only in a well ventilated area.

Pour the small container of **FLOWLINER ARMOUR COAT B** into the tub of **FLOWLINER ARMOUR COAT A** and

thoroughly mix the **FLOWLINER** together for five minutes. Car tanks are a Multiple 3 kit and should be mixed together in a clean vessel.

Application

Pour the **FLOWLINER** into your prepared tank, protect & seal the filler neck and invert, now move your tank slowly backwards and forwards, side to side until you are sure that all the top of your tank is coated. It is better to coat the hard to see areas first as you have most of the product in one area. Now stand your tank on one end and wait until the rest of the **FLOWLINER ARMOUR COAT** has collected, now coat the rest of the tank as previously, checking inside to see if you have coated the tank completely. Now stand your tank on its other end and allow the product to collect, repeat the process again. Remember the more times you repeat the process the thicker the **FLOWLINER ARMOUR COAT** coating will be. You need a minimum coating of 1mm thick. Do not allow the coating to pool in one area when drying as this may heat up due to the chemical curing process. On smaller tanks any excess can be poured out.

In some rare instances we have found that when coating over previously unknown liners, coating fiberglass tanks or mistakenly leaving the tank to pool in an area, that they may heat up due to the chemical reaction, this can be controlled by cooling the exterior with water.

Gelling times will vary with temperature but will be around 50 to 90 minutes at 15C, touch dry in 12 hours, fully cured in 7 days

DO NOT SEAL THE TANK WHILE CURING AND DO NOT FILL WITH PETROL UNTIL FULLY CURED.

All work and fuel testing should be carried out prior to refinishing the exterior of the fuel tank, as all parameters for the coating are out of our control; any liabilities are the responsibility of the user.

This product has been developed for Professional use; if you are not confident in coating your tank yourself seek professional help.