



PRODUCT DESCRIPTION FOR MEDIC SEAL GAS TANK AND BLOCK REPAIR

Medic Seal is a two-part manganese cured quick cure sealant designed for repairs made to any type of fuel containing tanks. It is resistant to ANY type of fuel oil such as diesel, kerosene, or gasoline whether it contains alcohol or not. Medic Seal has also been found to work very well on external freeze cracks in engine blocks and can withstand temps up to 350 degrees Fahrenheit.

The material will bond to all types of cured plastics as well as aluminum, steel and other substrates. It is designed to make effective repairs with a minimum out of service time.

Medic Seal provides a 30 minute work life, 4 hour tack free, and full cure in 24-36 hours depending on temperature and humidity. It is not recommended to place item that has been sealed back into service before 24hrs has past.

Medic Seal should only be used in temps at or above 50 degrees and should be stored between 60 and 80 degrees Fahrenheit in order to ensure best performance and longest storage life.

INSTRUCTIONS FOR USE

DRAIN GAS FROM TANK OR COOLANT FROM BLOCK

The first step is to drain ALL the fuel from the tank or coolant from engine block. I would suggest that this be done the day before the repair is to be made to ensure no contamination is made from seeping gas or coolant from the area that leaks.

SURFACE PREPARATION (VERY INPORTANT!)

To obtain good adhesion, all surfaces must be clean and free of any type of paint, traces of oil or gas residue, wax, grease, dirt, rust or other contamination. Failure to make sure of the cleanliness of the surface to be repaired may result in failure of the product from making a complete seal. It will be necessary to use a wire brush or sandpaper on the area to get it clean. Once you have reached the point of bare metal, wipe the area very well with a clean cloth using acetone. Do this several times until nothing comes off in the towel.

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MIXING

Open the Part B container and mix all of the contents of the Part A container into it. Part A is the Black material and will be in a very small quantity. Part B is the off- White material. The mixing ratio is 100:10 by weight. Mix thoroughly until the sealer has a dark gray appearance and until the material displays no streaking. Care should be exercised not to leave unmixed material on the side of the mixing container. Once the sealant is mixed, work quickly as you will only have about 20 - 30 min. to work with it before it begins to set. This time will be accelerated in hot temps so keep that in mind as you work.

APPLICATION

Material application can be done using a variety of methods. A small putty knife or wood paint stirring stick can be used to mix and apply the sealant to flat areas while I find that using your finger works the best on steering column mounts due to irregularity of the surface. I find that an old pop sickle stick also works great.

CURE

Specified application and cure rates are based on standard working conditions of 77F and 50% relative humidity. Increased temperature and humidity will reduce the work life of the product. Conversely, lower temps and humidity will extend the work life and retard the cure. Typical cure rate is 24 hrs. before using, 72 hrs before painting.

STORAGE

Medic Seal has a shelf life of 6-9 months when stored in the original, unopened containers at a temperature below 80F. It is not unusual for some changes in work life, viscosity, and cure rate to take place during this time period. However, such changes are slight and will not affect the performance of the sealant in any way.

CLEAN UP

Fresh Medic Seal may be removed with a MEK/toluene 50/50 mixture. It can also be removed with acetone with some persistence. Lacquer thinner can also be used.

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PAINTING THE AREA AFTER THE SEALANT IS APLIED

After you have applied the sealant to the area needing repaired, you can repaint the area to match what ever the color was before. The sealant need to be fully cured for at least a couple of days before doing this.