



Piping Repair Technologies

Product Data Sheet

GasPruf 130tm SUPER DUTY EPOXY COATING FOR USE UNDER HYDROCARBON FUELS

GasPruf 130m is a unique blend of liquid polymers and proprietary curing agents which is able to displace water or hydrocarbons such as gasoline or diesel fuel from wetted surfaces in order to make a permanent bond. The formulation is solvent-free to ensure safety and maximum technical performance. Kevlar™* fibers are incorporated for reinforcement and viscosity management to achieve high application rates -even under hydrocarbon liquids! *GasPruf 130m* is designed for use on pipelines and in tank interior where high performance epoxy materials must be applied on surfaces wetted with water and/or hydrocarbon fuels. Consult TFT to discuss suitability for use in the presence of other organic liquids. The standard color is orange however other colors including white are available in quantity and can be shipped "Non-Regulated" by USDOT, IATA and IMO.

* *Kevlar is a trademark of E. I. DuPont de Nemours Co*

RECOMMENDED USES

ANTICORROSIVE COATING: "Super-Duty" anticorrosive for in-service fuel storage tank interiors and roofs.

REPAIR COMPOUND: Patching, leak sealing etc. above and below water or hydrocarbon fuels.

TECHNICAL INFORMATION

VEHICLE TYPE	Proprietary liquid polymers with curing agent
PIGMENTATION	Color/Inert/fibrous reinforcement
COLORS	Standard Orange – others available
FINISH	Slight texture
THINNER	Not required
CLEANER	MEK or lacquer thinner
MIXING RATIO	1.0/1.0 v/v
INDUCTION TIME	Not required
POT LIFE	Approx. 30' / 77°F
FLASH POINT	Over 200°F
SOLIDS BY VOLUME	100%
SPREADING RATE/GAL.....	40 sq. ft./gal @ 40 mils rec. U/W application rate.
DRY TIME, (Dust free)	4 hours at 77°F (in air)
DRY TIME, (Service).....	14 hrs. light, 72 hrs. heavy
APPLICATION METHOD.....	Trowel, "Pool float", mitts, robotics
STORAGE CONDITIONS.....	Between 35°F – 95°F in original sealed containers
VOC.	Essentially zero

APPLICATION NOTES

SURFACE PREPARATION: Remove loose corrosion products using suitable abrasive techniques to leave a coarse, sound surface. Suitable preparation techniques would include needle-scaling with sharp needles or abrasive disc.

Application above water requires similar preparation and would include high pressure water blasting or dry abrasive blasting to yield a firm, granular surface free of loose contamination.

MIXING PROCEDURE: *GasPruf 130_m* is supplied either in 2 gallon or 4 gallon kits of 2x1 or 2x2 gallon containers respectively each of polymer base and curing agent. These components are formulated in contrasting colors of Safety Red base and Safety Yellow curing agent to yield a bright orange color on mixing. Visible streaks of either Red or Yellow seen during the course of mixing indicate "hotspots" unmixed components.

For small repairs remove equal quantities of base and curing agent from their cans and place them side-by-side on a surface of plastic, fiberboard etc. Mixing is easily accomplished by folding the components into each other using a spatula or piece of wood. Once mixing begins there will be about 30 minutes of working time available at 80°F. This time may be extended by keeping the components and mixture cool, avoid leaving mixed material on a hot deck. Storing the unmixed components in an air-conditioned space prior to using will ensure that the mixture starts out cool in order to further extend its useful life.

Robotic repairs require a dispensing system capable of measuring and dispensing individual components through either a static or kinetic mixer.

APPLICATION: 1) UNDERWATER: Take the mixed *GasPruf 130_m* underwater in a can or bucket, it will free up a hand to have a hook on a belt to hold the can during painting especially if visibility is poor and a lantern has to be carried.

Applicators such as broad putty knives or plastic straight-edged glue spreaders work well on most surfaces.

Painters' mitts work well on small diameter tubular sections such as risers. *GasPruf 130_m* has a strong tendency to stick to underwater surfaces and expensive equipment should be protected using plastic suits or sacks to cover exposed surfaces.

2) ABOVE WATER: Apply using an appropriate tool such as a spreader or short, stiff brush if the surface is especially rough.

3) UNDER GASOLINE OR DIESEL FUEL: If the surface is safely accessible to personnel simply apply by spreader or brush. If applied by robotic means consult TFT for specific recommendations.

CURING BEFORE SERVICE: *GasPruf 130_m* may be immersed in gasoline, diesel fuel, fresh or salt water immediately after application. It will cure to a hard film within about 14 hours and is suitable for traffic after this time. Allow at least three (3) days at 77°F before subjecting to aggressive chemical service from industrial solvents and similar materials.

SAFETY: This is a hazardous material if misused. Read and understand the Material Safety Data Sheet (MSDS) before use.

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