

INNOVATION

A new, low-permeation hose that saves fuel and protects the environment

Barricade™ Greenshield™ fuel hose cuts vapour loss dramatically



Barricade™ hose is a low-permeation, multi-fuel compatible hose that virtually eliminates fuel vapour loss, saving you money and making it one of the most environmentally responsible fuel line hoses in the industry.

It's the logical next step when you look at our vast range of engine hoses. These include fuel line hoses for different parts of the fuel circuit like return line, fuel injection and submersible in-tank fuel hoses. Expanding the range with barrier fuel hoses now gives you the best in environmental preservation. Step up from ordinary fuel hose.

One hose for all fuels and applications

Barricade™ uses our unique, five-layer Greenshield™ technology to keep fuel vapour out of the environment while delivering peak fuel efficiency. Barricade™ hoses can handle more fuel types than standard hoses, including gasohol, diesel, ethanol, methanol, sour gas, and biodiesel up to B100.

It is designed for virtually any engine application that's equipped with a conventional carburettor, including:

- Carbureted engines
- Cars, light-duty trucks, small engines
- EEC, EGR, catalytic converter, air pump, pcv valve, charcoal canister

Caring for the environment – a serious commitment

Protecting the environment by reducing hazardous emissions for example, is an increasingly important concern for individuals, businesses and governments around the world. As a major global manufacturer we take these issues seriously both in the way we manufacture our products and by ensuring they meet or exceed safety and environmental legislation.

Designed to exceed SAE J30R14 Barricade™ Greenshield™ fuel hose outperforms the new, low permeation requirements, including the California Air Resources Board (CARB) specification, which is now widely used as reference point worldwide.





CARB is part of the California Environmental Protection Agency, which has established a certification process for evaporative emission system components. CARB certification requires that the fuel permeation rate must be less than 15 grams/m² when tested using SAE J1737 test procedures.

Fuel hose features	Standard fuel hose 4219G	Barricade™ Greenshield™ 4219BG
1 g/m ² permeation		x
Use on EEC and PVC lines	x	x
SAE 30R14 approved		x
CARB approved (15 g/m ² or less permeation)		x
-40°C to +125°C temperature rating	x	x
2.4 to 3.4 bar pressure rating	x	x
Compatible with diesel, petrol and E85	x	x
Multi-fuel compatible: biodiesel, methanol, ethanol, sour gas	No	Yes, up to 100°C

Help the environment and save money with Gates new Barricade™ Greenshield™ fuel hose

