



Fiber Glass Systems' (FGS) Red Thread® IIA piping systems, which includes primary & secondary pipe, primary & secondary fittings and adhesives are **UL Listed** for the following fuels:

- | Type A | Type B |
|--|----------------------------|
| - 100% Reference Fuel #2 (represents Diesel, per UL) | 1% HCl |
| - 100% Fuel C (represents Unleaded Gasoline, per UL) | 1% Nitric Acid |
| - 85% Fuel C/15% MTBE | Sodium Bicarbonate (Ph 10) |
| - 85% Fuel C/15% Methanol | Sodium Hydroxide (Ph 12) |
| - 70% Fuel C/30% Ethanol | 100% Toluene |
| - 100% Methanol | |
| - 100% Ethanol | |
| - 50% Fuel C/50% Methanol | |
| - 50% Fuel C/50% Ethanol | |
| - 100% Premium Leaded Gasoline | |
| - 100% Kerosene | |

Fuels not specifically tested or UL 971, but **compatible** with FGS Red Thread IIA piping systems, which includes primary & secondary pipe, primary & secondary fittings and adhesives, are as follows:

- E85 (although E85 is not specifically tested, UL did test E30, E50 and E100)
- B2, B5 & B20 Bio-Diesel
- Av-Gas
- Jet Fuel

The 2004 UL 971 Standard, which became effective on July 1, 2005, required testing for the following fuel groups:

MV Fuels- Motor Vehicle

Type A- 100% Ref. Fuel # 2, 100% Fuel C, 85% Fuel C/15% MTBE, 85% "C"/15% METH., 70% "C"/30% ETH.)

Type B- 1% HCl, 1% Nitric Acid, Sodium Bicarbonate (Ph 10), Sodium Hydroxide (Ph 12)

CT Fuels- Concentrated

Type A- 100% Methanol & 100% Ethanol

Type B- None

HB Fuels- High Blend

Type A- 50% "C"/50% Methanol & 50% "C"/50% Ethanol

Type B- 100% Toluene

AM Fuels- Aviation & Marine

Type A- 100% Premium Leaded Gas & 100 % Kerosene

Type B- None

The applications identified in the 2004 UL 971 Standard are as follows:

PC- Primary Carrier

SC- Secondary Containment

NV- Normal Vent

VR- Vapor Recovery

Fiber Glass Systems' Red Thread IIA pipe, fittings and adhesives have been tested and UL Listed for all fuels and all applications identified in 2004 UL 971. This includes the only Sump Entry/Termination Fitting that is UL 971 Listed.