



# UPP® SEMI-RIGID PIPEWORK SYSTEM

Since its introduction over forty years ago, as the world's first electrofusion pipework system for fuel applications, UPP® semi-rigid pipework has become known globally as the standard for liquid tight pipework systems. UPP® pipework utilises the advanced electrofusion welding process to effectively bond system components together into one leak proof system.

## HIGHLIGHTS

- UPP® pipe features an innovative clear inner lining made of natural EVOH resin to provide maximum pipe strength and superior vapour permeation and hydrocarbon barrier qualities.
- UPP® pipe is the first to receive an exception Class T1 temperature rating with its EN14125 approval, a true testament to its strength.
- The end of a piping run can be fitted with a wide variety of termination fittings to accommodate any application.
- Fittings are specifically designed to eliminate the number of bolt holes, rubber seals, band clamps and any potential leak paths.
- The UPP® electrofusion welding process is safe and simple to complete in any climate and virtually any weather condition.
- An installer simply prepares the components, fits them together attaching welder leads to the fitting, and then presses a single button on the welding unit to initiate the process.
- The welder unit itself calculates the exact settings required to complete the weld, regardless of the pipe-work diameter or temperature, leaving no settings for the installer to input.

### Fuel Compatibility

- Motor vehicle fuels typically found in consumer dispensing facilities like gasoline or diesel including blended fuels with maximum 15% MTBE, 15% Methanol or 30% Ethanol.
- Concentrated fuels such as alternate unblended fuels containing up to 100% concentrations of Toluene, Methanol or Ethanol.
- High blend fuels with higher than normal gasoline blends with maximum 50% Methanol or 50% Ethanol.
- Aviation and marine specialty fuels containing up to 100% kerosene or leaded gasoline.
- Biodiesel compatibility:
  - Biodiesel up to 5% (B5)
  - Biodiesel up to 20% (B20)
  - Biodiesel at 97% - 100% (B99 / B100)
- All ASTM defined biofuel blends

## SPECIFICATIONS

### UPP® EN14125:2013 Standard Primary Pipe

- Material: PE100 with EVOH resin barrier
- Primary pressure rating (bar/psi): 10/145
- Primary colour: Black with two clusters of four green stripes, clear inner liner
- Temperature rating: Class T1 Rating (EN14125:2013) -40 °C to 50 °C
- Primary vacuum rating (-bar/"Hg): -0.9/-26.6

### UPP® EN14125:2013 Standard Fill Pipe

- Material: PE100 with EVOH resin barrier
- Primary pressure rating (bar/psi): 6/87
- Primary colour: Black with two clusters of four green stripes, clear inner liner
- Temperature rating: Class T1 Rating (EN14125:2013) -40 °C to 50 °C

### UPP® EN14125:2013 Standard Coaxial (Secondary) Pipe

- Material: PE100 with EVOH resin barrier
- Primary pressure rating (bar/psi): 10/145
- Primary colour: Black with four green stripes, clear inner liner
- Secondary colour: Black with six green stripes
- Secondary pressure rating (bar/psi): 5/72
- Temperature rating: Class T1 Rating (EN14125:2013) -40 °C to 50 °C
- Primary vacuum rating (-bar/"Hg): -0.9/-26.6
- Secondary vacuum rating (-bar/"Hg): -0.6/-17.8

### UPP® EN14125:2013 Standard Secondary Sleeve

- Material: PE100
- Secondary pressure rating (bar/psi): 5/72
- Primary colour: Black with six green stripes
- Temperature rating: Class T1 Rating (EN14125:2013) -40 °C to 50 °C
- Primary vacuum rating (-bar/"Hg): -0.6/-17.8