

Service Station

Resin:	Isophthalic Polyester
Composite Applications:	Underground Fuel Storage Tank
Capacity	6,000 gal (22,700 L)
Years Installed:	1965 -1991
Locations:	Schaumburg, IL, USA

The composite fuel tank was buried under a service station in 1965. The AOC isophthalic polyester was the first to achieve Underwriters Laboratory recognition for corrosion resistance and structural integrity.

For more than a quarter century, the isopolyester resisted corrosive attack from hydrocarbon fuels, moisture and aggressive soil conditions. This performance prevented gasoline and diesel fuel from leaking into the surrounding groundwater.

The tank was excavated in the summer of 1990 to accommodate new highway plans that overlapped onto the station property. The vessel was in such excellent condition that engineers decided to use it again. The tank was reburied in 1991 at a new station down the road where the vessel's isopolyester structure continues to resist both internal and external corrosion.

The light weight of the composite versus steel facilitated installation. Composite components in underground and aboveground sections are in very good condition after decades of use.

