



### Case Study

Name	Peace Bridge over the Niagara River
Owner	Buffalo and Ft. Erie Public Bridge Authority
Location	From Buffalo, New York, USA to Ft. Erie, Ontario, Canada
Products	PSX® 700, AMERCOAT® 68HS

### Key Features

- 700 is a revolutionary, high-performance protective coating delivering improved efficiency
- Ultra-high solids, low-VOC coating provides excellent chemical and corrosion resistance
- Outstanding gloss and colour retention delivers proven long-term durability
- 68HS is an organic zinc-rich primer with excellent adhesion to prepared steel

### Project

The Peace Bridge stands at the east end of Lake Erie at the source of the Niagara River, about 20 kilometers (12.4 miles) upriver of Niagara Falls and connects the City of Buffalo, New York, in the USA to the town of Fort Erie, Ontario, in Canada.

The structure has a total length of 5,800 feet (1,768 meters) and consists of five arched spans over the Niagara River and a Parker through-truss span over the Black Rock Canal on the U.S. side of the river. The construction included 3,500 feet (1,067 meters) of steelwork, 9,000 tons of structural steel and 800 tons of reinforcing steel in the concrete abutments.

### Protective System

AMERCOAT 68HS and PSX 700 were used to provide maximum protection for the arch and girder spans.

AMERCOAT 68HS is an organic zinc-rich primer with excellent adhesion to prepared steel.

PSX 700 is a high-performance engineered siloxane protective coating that provides very effective long-term corrosion control and weather resistance. The coating offers significant advantages in that it can normally be applied in two coats compared to the traditional systems using epoxies and urethanes.

This unique system uses patented engineered siloxane components, which deliver the excellent adhesion, toughness, corrosion and chemical resistances of epoxy siloxane.