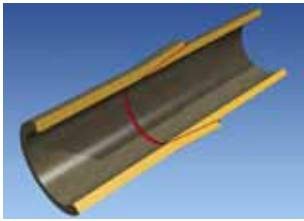




Quick-Lock® adhesive-bonded Joint



Taper/Taper adhesive-bonded Joint



FDNY Fast Response Fireboats using Bondstrand® 2000M GRE Pipe

Bondstrand is the piping of choice for the first of two contracted fire boats designed and built for FDNY (Fire Department of New York) with the latest in Fast Response Fireboat Technology. The first is named the *Three Forty Three* after the 343 firefighters and paramedics who died in the 9/11/01 attacks and the second is named the *Firefighter II*. The *Three Forty Three* is assigned to the FDNY Hudson River Marine 1 facility and the *Firefighter II* is assigned to the FDNY Marine 9 facility on Staten Island. A piece of steel from the World Trade Center building was used in the construction of the *Three Forty Three*.

Each of the two fireboats has the capability of pumping 50,000 gallons per minute, providing these fireboats with the greatest pumping capacity of any fireboat in the world. In addition, the fireboats are also capable of protecting firefighters from Chemical, Biological, Radiological, Nuclear agents (CBRN) by providing the crews with a pressurized area with a filtered air supply. Another ingenious feature of these vessels is the addition of a forward ballast tank which allows the boats to lower themselves in the water in order to match their deck level with that of the large Staten Island ferries which travel the waters of the New York Harbor.

Scope of Supply

NOV Fiber Glass Systems provided stress analysis and shop fabricated pipe spools along with training and supervision in the installation of the Bondstrand piping system. The NOV Fiber Glass Systems field services group was instrumental in the success of the complex fabrication and installation requirements at the yard. No leaks on Bondstrand pipe and fittings were detected during the hydro-test or sea trials.

Project

Fireboats **Three Forty Three** and **Firefighter II**

Service

Fire water piping between the pumps and monitors

Pipe system

Bondstrand 2000M with Quick-Lock and Taper/Taper adhesive bonded joints in 8 inch, 12 inch, 14 inch and 18 inch diameters.

Operating conditions

Ambient temperature at 150 psi

Installation date

Three Forty Three– 2009

Firefighter II– 2010