



Taper/Taper adhesive-bonded joint



Euro Disney Catastrophe Canyon using Bondstrand® 3410 GRE pipe and fittings

Since its opening in 1992, Disneyland® Resort Paris has established itself as the leading tourist destination in Europe, welcoming more than 185 million visits and growing from a single park and hotels to a vibrant multi-day resort destination. Since 2008, the Resort hosts two Disney Theme Parks, seven Disney-themed hotels, two convention centers, the Disney Village entertainment and retail district and first-class golf courses.

Bondstrand piping is used for transportation of water from the collection reservoir to the deluge tanks. From the tanks the water is deluged in to the "Catastrophe Canyon."

Scope of supply

Bondstrand was selected because of its favorable installed price compared to steel. NOV Fiber Glass Systems representative's scope of work included:

- Detail studies with all QA/QC documentation
- Procurement of material (Bondstrand pipe & fittings, special GRE spools, gaskets, bolting and supports)
- Prefabrication
- Transportation on site and erection of supports
- Hydrotests

Euro Disney teams (France and USA) were responsible for the engineering.

Advantages

- Reduction in installation costs and time
- Expected long term service life 30 years
- Corrosion resistant
- Maintenance free
- Light weight material

Project

Catastrophe Canyon – Euro Disney

Client

Euro Disney Associés S.C.A., Marne La vallée, France

Pipe system

Bondstrand 3410 with Taper/Taper adhesive-bonded joints
Diameter: 100 through 900 mm (4-36 inch)
Quantity: 614 meter pipe and 172 fittings

Operating conditions

Operating pressure: 5 bar
Design pressure: 10 bar
Test pressure: 15 bar
Fluid: Industrial water (chlorinated)
Operating temperature: 50 °C
Design temperature: 93 °C

Installation date

1999 – 2000