



Case study: Butterfly valves

Manufacture of between 48" and 132" cw butterfly valves.

Industry

Power generation.

Application date

2007.

Scope of work

Corrocoat was awarded a major contract for the supply of a large number of butterfly valves, with diameters between 48" and 132". Manufactured with cast and fabricated steel. Using Corrocoat 600 series to protect against corrosion/erosion.

Products

1.5mm DFT Corroglass 600 series.

Substrate

Cast iron and cast steel.

Coating system

- Procure castings TO Corrocoat design specs.
- Machine and pressure test.
- Grit blast to SA 2½ and coat with 600 series.
- Assemble valve.
- Pressure test.
- Function test.

Coating credentials

Corrocoat can draw on many years experience of manufacture and also refurbishment of large bore butterfly valves. On this contract a short delivery time was essential, to meet the customers requirements and all 16 valves were procured and completed within 6 months. A deadline not achievable at the time using any other supplier, contacted by the company.

Corrocoat is one of the few companies able to design, manufacture and protect large bore CW valves.

Photographs

Left: [1.6M NB cast iron valve body.](#)

Middle: [Machined and coated.](#)

Right: [Valve assembled and fully tested.](#)