

Pipeline for Uranium Mine

Derakane Epoxy Vinyl Ester Resins – Case History



Location / Year

Manufactured in 2015 for Swakop Uranium Husab Mine in Namibia, South Africa.

Fabricator

Fibre-Wound, South Africa.

Fabrication

The pipes and fittings were manufactured with **Derakane 411** epoxy vinyl ester resin. Pipes were manufactured by filament winding and fittings by hand lay-up method.

Some pipes had to be conductive in the internal and external layer, which was realized with carbon powder. These pipes were manufactured with fire retardant **Derakane 510C** epoxy vinyl ester resin in the outer layer as per specification.

Technical Data

5 943m (3.69 mi) Piping ranging in size from DN 25 to 450 (ND1 to 18in)

2 578No. Fittings from DN 25 to 450 (ND 1 to ND 8in)

2 032No. Joints pre-fabricated at Fibre-Wound prior to delivery

2 600No. Site joints

Service Conditions

PN?

Purpose or media ?

Operational or design Temperature ?

Comment/Design

All equipment manufactured in accordance with BS 7159 and third party monitored prior to delivery on site.

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