

Pulp & Paper – Boiler Stack

DERAKANE Epoxy Vinyl Ester Resins – Case History



Location / Year

Installed in 1973 at Scott Paper Company, Everett, Washington.

Fabricator

Ershigs, Inc., Bellingham, Washington.

Fabrication

The stack was filament wound using **DERAKANE 510A** epoxy vinyl ester resin.

Technical Data

A boiler stack that stands 18.2 m (60 ft) high and has a 1.8 m (6 ft) diameter.

Service Conditions

The boiler stack is part of a system designed to collect spent sulfite liquor, evaporate excessive water, incinerate remaining material, and absorb chemicals from stack gases for recycling in the pulping process.

Service temperature is 60°C (140°F).

Design / Comment

In 1984, Alex Hood, a maintenance engineer for Scott Paper Company, stated, "Scott management's choice of DERAKANE resin for this innovative engineering project was justified. During the more than eleven years since installation, this system has not caused one minute of downtime."

Maintenance

The stack was reported to be in good condition in January 1996, after 23 years.

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