

Flue Gas Chimney

Derakane Epoxy Vinyl Ester Resins – Case History



Location / Year

Installed in 2007 at the Cement Flue Gas Cleaning Plant in Dunbar, Scotland, UK

Fabricator

SELIP SPA, Italy
www.selip.it

Fabrication

Liner: hand lay-up with “C” glass + “ECR” glass
Structure: Filament Winding
DERAKANE 411 epoxy vinyl ester resin

Technical Data

Equipment: Chimney
Diameter: Ø 3 m (9.8 ft)
Height: 75 m (246 ft)
Total height of construction: 105 m (344 ft)
Weight: 47 500 kg (105,500 lbs)

Service Conditions

Environment: Flue Gas from Cement Plant
Design pressure: - 5 mbar (-0.07 psi)
Working pressure: - 5 mbar (-0.07 psi)
Design temperature: 65°C (149°F)
Working temperature: 50 to 62°C (122 to 144°F)

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