



PROJECT PROFILE



Tank jacket



Interface between bottom of the tank and the wall - 90, 65, & 54SG



Project: Cajamarquilla Refinery

Location: Lima, Peru

Products:

- Acidproof Structural Grade 54SG
- Sheet Membrane 90
- Corrosion-Resisting Mortar 65

Environment / Exposure: Sulfuric Acid

Project Details:

- A drying tower located in the sulfuric acid plant had sprung a series of leaks. The leaks became apparent with sulfuric acid on the outside and surrounding area of the structure. The source of the problem was lack of a final lining in the interior of the tank. 54SG was chosen because it cures quickly enough to permit full chemical exposure within 48 hours. The polymer concrete jacket was designed at a thickness of 2 inches around the tower and was painted purple to aid in future inspections. A decade later, the jacket is still in excellent condition.
- Following the jacket project, 90, 65 and 54SG were used on the interior of the tower structure. This application has withstood years of corrosion without failure as well.