



PROJECT PROFILE



Original Condition



Spray Application of No. 89



Project Completed

Project: Rotem Sulfur Pit

Location: Israel

Owner: Rotem Amfert

Engineer: In-house

General Contractor: Sealtec Construction Co.

Applicator: Sealtec Construction Co.

Sauereisen Representative:

Israel Paycher, Sealtec Construction Co.

Products:

- No. 89 High Temperature Membrane
- No. 35 Chemical Resistant Castable

Method of Application:

- Spray Application of No. 89
- Guniting No. 35

Environment / Exposure: Molten Sulfur – pH around 10

Project Details:

- Rotem is the largest producer of sulfuric acid in Israel.
- Rotem has experienced aggressive corrosion in their sulfur pits and existing linings were failing in less than 12 months.
- Rotem's sulfur pits experience a higher pH than typically seen in a sulfur pit so potassium silicate technology is not a feasible option.
- Sauereisen developed & tested a dual component lining system consisting of a flexible membrane (No. 89) and a chemical resistant castable liner (No. 35).
- After 3 years in service this pit is performing exceptionally well.