



## PROJECT PROFILE

# High Performance Sealants used successfully in Nuclear Power Plant for over 20 years



### CUSTOMER

Central Nuclear de Embalse  
Córdoba, Argentina

### PROJECT TEAM

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### PROJECT OVERVIEW

The Central Nuclear de Embalse nuclear power plant was in the process of recertifying their plant for an additional 20 years. As part of the refurbishment process, the specification called for the installation of new sealants for the concrete joints in the reactor's building.

When removing the Thiokol® 2282 sealant that had originally been installed 20 years ago, the product was shown to be in perfect condition, as can be seen being pulled back on the picture below. Through the demolition process, it was confirmed that the material remained flexible and well adhered to the surfaced, hence protecting the building as intended.

After an extensive product search, the power plant's Nuclear Safety Department recommended the installation of PolySpec's Thiokol® 2282 to continue sealing the joints in the building.

### KEY CONSIDERATIONS

**Reliability:** In order to guarantee an adequate seal, the power plant trusted the proven Thiokol® 2282, a high performance, chemical resistant joint sealant with superior resistance to aging.

**Fast Cure:** Following surface preparation, the Thiokol® 2282 was applied in depths of up to 3 or 4". The material's fast cure allowed plant engineers to paint the joint the following day.

### SYSTEM PRODUCTS

- **Thiokol® 2282**  
Industrial Polysulfide Joint Sealant, Ultra Chemical Resistant

*Thiokol® is a registered trademark of Toray Fine Chemical Co. Ltd.*