

Application Bulletin: CoroBrick™

Innovative Solutions, Exceptional Performance

Application

CoroBrick was designed with the same physical properties as a fireclay chemical resistant brick, but with the added benefit of the profile of a ceramic glazed tile. CoroBrick is suitable for environments of higher temperatures, increased temperature variation, and greater chemical concentration than traditional tile. Unlike a traditional acid brick which is limited to curved or cambered walls, CoroBrick can be installed on straight walls. This one of a kind product is manufactured as an 8" x 12" unit.

Pulp and Paper

Problem

A Pulp and Paper Customer needed a sewer sump lining to withstand high temperatures and chemical concentrations. The concrete sump, however, was constructed with all flat surfaces, thus ruling out traditional acid brick.

Solution

The sump was relined with CoroBrick laid in vinyl ester mortar with wire mesh reinforcement and 2" of poured concrete to bond the CoroBrick to the existing concrete surfaces. This unique solution will greatly reduce annual maintenance repairs.

Natural Gas Power Plant

Problem

A Natural Power Gas Power Plant has two vessels that experience a temperature swing from ambient temperature to over 300° F and back to ambient temperature during every 24 hour period. This temperature shock combined with low chemical concentrations created an ongoing maintenance concern for these vessels.

Solution

The tanks were relined with CoroBrick laid in furan mortar with wire mesh reinforcement and 2" of poured concrete to bond the CoroBrick to the existing concrete surfaces. This solution will reduce annual maintenance repairs and downtime.

Results

CoroBrick will provide both customers the benefits of a longer-lasting, corrosion resistant lining system that will hold up to their unique environmental challenges.

Problems, Solutions... Results.

