

STONHARD Solutions

A Complex Set of Criteria is no Match for Stonchem 403

Products used at Alberta Pacific Forest Products

- Stonchem 403

On the banks of Canada's Athabasca River lies one of the world's most productive, technologically advanced paper pulp mills. Alberta Pacific Forest Products produces more than half a million tons of pulp each year that is used to make paper products that are distributed worldwide.

When new secondary containment areas were proposed for Alberta Pacific, planners were faced with a complex set of criteria to consider while evaluating product choices for the application. First, the product would have to resist the chemical corrosives and thermal cycling that would occur within the containment areas. It was also imperative that the product be able to withstand the extreme seasonal freezing and thawing cycles that the mill experienced due to its geographic location. Additionally, the freshly poured concrete substrate contained many air voids that would have to be addressed before a lining could be applied. And finally, the company's strong corporate environmental policy guided their search toward safer solutions. When facility planners discovered Stonhard's Stonchem 403 lining system, they realized that all their needs could be met with one solution.



Stonchem 403 met all performance and durability expectations for Alberta Pacific's secondary containment areas.

Stonchem 403, a 100% solids polyurea lining system, provides a durable, flexible, waterproof membrane that can withstand significant impact and abrasion. Its unique formulation allows it to be installed in varying environments,



Even against temperature extremes and chemical and corrosive attacks, Stonhard provides a long-lasting solution for paper mills.

including the cold and dampness that the Alberta Pacific facility was accustomed to. And, Stonchem 403's extremely rapid cure rate allowed production to resume at Alberta Pacific with minimal downtime. In addition, the Stonchem primer that was used to prepare the surface of the concrete for application performed double-duty by also filling in the air voids that were left in the surface.

Planners and management at Alberta Pacific Forest Products were extremely pleased with their experience working with Stonhard. Stonchem 403 met all their needs and exceeded their expectations. Additional work was contracted with Stonhard for the acid pump trenches within the facility.

The Stonhard Difference

Stonhard is the unprecedented world leader in manufacturing and installing high performance polymer floor, wall and lining systems. Stonhard maintains 300 product engineers and 175 application crews worldwide who will work with you on design specifications, project management, final walk through and service after the sale. And, Stonhard's single source warranty covers both products and installation.



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Industrial

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FLOORS FOR EVERY ENVIRONMENT