

STONHARD *Solutions*

UPM-Kymmene Miramichi New Brunswick, Canada

Stonhard, the world's largest manufacturer and installer of seamless polymer flooring has provided durable and chemical resistant floor systems to the pulp and paper processing industry for over 80 years. In 2002 Stonhard completed their largest installation in this industry to date at UPM-Kymmene Miramichi in the Canadian province of New Brunswick.

UPM-Kymmene Miramichi is a major producer of magazine grade paper. The New Brunswick facility, built in 1986, no longer met the industry standards for a mill producing high quality paper. UPM made a decision to cosmetically upgrade their facility to provide long-term protection and durability, increase cleanliness and improve the facility's image. In addition, they believed that the face-lift would improve the working environment.

Product Solutions

UPM's paper machine building required a quality floor that was safe, durable, chemical resistant and easy to clean. Above all, UPM needed an installation with quick turnaround that would not force a facility shutdown for more than 15 days.



A major producer of magazine grade paper looked to Stonhard for chemical resistant floors.

Originally, UPM requested a poured system similar to ones utilized in their European paper mills. Stonhard's sales and engineering teams were concerned that UPM's Canadian facility needed a more durable product to ensure maximum chemical resistance, cleanability and longevity of the floors. To increase UPM's comfort level with the recommended products, Stonhard arranged a multi-site tour showcasing the top in paper mills around Canada. These visits, coupled with persuasive references and faith in Stonhard's capabilities won UPM's support. UPM opted for a troweled mortar system with two finish coats to create a smooth surface.

The purchase order for this work was issued only six business days prior to mill shutdown. Stonhard was successful in mobilizing six installation teams from various regions throughout Canada (totaling approximately 50 men) and coordinating 13 truckloads of material, which were delivered as scheduled. 15,000 square feet of the pre-existing concrete substrate required degreasing prior to initial concrete prep. An additional 65,000 square feet required shot-blast removal of an existing urethane coating.

Stonhard installed 175,000 square feet of flooring in just 15 days. In addition to floor areas, Stonhard installed 5,000 linear feet of curbs and coves and repaired 4,000 linear feet of cracks using Stonflex CT5 engineered crack treatment.

UPM decision makers were more than satisfied with the timeliness of job completion, smooth operation and finished results.

Customer Satisfaction

A world class customer requires cutting edge products engineered for chemical resistance, longevity, durability and aesthetics.



In the paper machine area, Stonhard floors provide long-term protection and durability along with increased cleanliness.

Stonhard provides a single-source project management solution coordinating every aspect of this project — from specification development to systems selection through the installation of the finished systems. Their single source warranty covers both products and workmanship. With over 300 project engineers and 200 installation teams worldwide, Stonhard worked side-by-side with UPM's design and engineering teams from start to finish.

Seamless Advantage

Seamless means cleaner. With seamless floors there are no joints or cracks to trap dirt and bacteria. And they're easier to maintain. Under most conditions, a wet mop or stiff brush and heavy-duty detergent will yield beautiful results.

Safety Factor

When it comes to floors, slips and falls can't be a concern. Stonhard floors prevent accidents from happening with a variety of textured surfaces that are safe, even when wet or oily.

The Stonhard Difference

Stonhard is a world-leading manufacturer and installer of high-performance polymer floor, wall and lining systems designed for tough commercial and industrial environments requiring protection against corrosion, impact, abrasion and continuous daily wear. We deliver long-lasting, high-performance systems for tough environments. We offer customized solutions to satisfy the most demanding design specifications and work with you directly from start to finish. You are protected with a single source warranty on both products and workmanship.