

RESULTS

Problems Solutions

Project:
Brewing Company, Montreal, Quebec, Canada

Submitted By:
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Contractor:
Perrottec, Inc., Angelo Perrotta – 514-648-0292

Products Used:
Tek-Crete TT and Tek-Crete SL

applications. Perrottec's trained staff of coating and surfacing mechanics, project managers, engineers and administrative personnel offer quick response services that are second to none in the flooring and marine business.

THE CHALLENGE

Perrottec has had a long-standing relationship with many of the well known brewing facilities in Canada going back to when they started their land business in the early 50's. Over the years,

Montreal, Canada has been a mainstay in the production of premium beers and ales for well over 100 years. The city is widely known as the headquarters to many prominent breweries. In order to maintain the highest level of productivity most of these facilities operate around the clock.

grown dramatically and now operates key offices in Montreal and Toronto, with affiliates in Nova Scotia, New Brunswick, Newfoundland and British Columbia. Working closely with his son Angelo since 1974, Matteo and company have expanded their contracting

**Tek-Crete
 is Golden
 at Large
 Brewing
 Company,
 Montreal,
 Quebec**

THE HISTORY

The contractor, Matteo Perrotta, President and owner of Perrottec, Inc., has been in the land and marine contracting and repair business since 1950. In the early days, Matteo was primarily installing Dex-O-Tex's Marine Products on ship decks. In 1951, Perrottec installed their first Dex-O-Tex land-flooring system.

From that point on, the family-owned business has

and warehousing businesses, while focusing and specializing their marketing efforts in beverage, food and spirits, pharmaceutical, institutional, commercial, automotive, industrial and marine

Perrottec has installed a variety of flooring systems from the Crossfield Products Corp. in various locations.

A local brewing facility contacted Perrottec, Inc. for advisement in resolving a



problem with a five-year old concrete slab in their bottling line. The problem sections were in two separate areas along the bottling line, one being the bottle filling and pasteurizing area and the other, the bottle packaging area. The old concrete slab had been exposed to daily hot water washdowns and extreme thermal cycling, which resulted in the erosion of cement matrix at the surface of the concrete, exposing the aggregate in the concrete substrate. Since the facility was on a tight production schedule, Perrottec would need to address several issues to meet the limited schedule.

The project challenge included leveling the existing spalled concrete and applying a flooring system that was nearly odorless during installation, could be installed and cured rapidly to minimize production downtime. The flooring system needed to exhibit excellent impact resistance, since it would be subjected to the constant dropping of bottles and offer superior wear resistance to the heavy forklift traffic. In addition, it had to have

superior chemical resistance to the cleaning chemicals, cleaning practices and thermal shock.

Prior to making his recommendation, Angelo reviewed the situation with Dex-O-Tex's technical staff to discuss potential flooring options using the Tek-Crete system.

Angelo proposed the use of both Tek-Crete TT and Tek-Crete SL, which would provide the ultimate performance against high temperature,

impact, wear and chemical exposure. The Dex-O-Tex technical staff supported Angelo's suggestions, which was subsequently presented in detail to the brewery's management and accepted.

THE TEK-CRETE TREATMENT

The fast track project began immediately, ensuring that the plant was kept open around the clock, since the production schedule could not be curtailed. Therefore, the Perrottec

crew worked closely with the facility's supervisors to install the Tek-Crete systems, while the production areas remained under full operations. The flexibility of the Tek-Crete systems meant that the brewery did not have to change their scheduling or reduce production, which meant a



significant savings.

After mechanically preparing the existing concrete slab and removing the preparation byproducts, Tek-Crete TT, one of two urethane cement mortars recommended was trowel applied at thickness of 9.5mm (3/8 inch) in the bottle filling and pasteurizing area. Tek-Crete TT was easily applied over the deteriorate concrete substrate in this area, because there was only a minimum of equipment encumbrances.

At the plant, once the

bottles are filled and pasteurized, the conveyor line moves them into the packaging area where the finished product is packaged.

In this area, the second Tek-Crete system was installed. Tek-Crete SL, is a fluid self-leveling urethane cement mortar. It was recommended

for the bottle packaging area because of its ease of application around the numerous and congested conveyor line base supports. Applied at a thickness of 4.75mm (3/16 inch) in the color red, this system was allowed to cure for a mere

6 to 8 hours before being

open to full traffic. Perrottec has installed over 2,800 square meters (30,000 square feet) of Tek-Crete SL and Tek-Crete TT in the same facility including the brewing, fermenting, bottling, packaging, distribution and outdoor sidewalk areas.

According to the facility operators, "Perrottec and Crossfield Products Corp. is best described as a successful alliance of contractor technique and Scientifically Superior™ Products."

