

STONFLOW CASE HISTORY



PRODUCTION FLOOR LEVELLING



BEFORE



INSTALLATION



INSTALLATION

JOB DETAILS

MARKET:

Manufacturing

PRODUCTS:

StonFlow Commercial
Stonkote GS4 - Clear
Penetrating Primer
Standard Primer

AREA:

Production Line Floor

DATE:

2011

SQUARE FOOTAGE:

1,600 Square Feet

LOCATION:

Whitby, ON

A local packaging manufacturing plant located in Whitby, Ontario. The company has been operating for 35 years.

The Challenge

Following reorganization of the company's "Old Line 3" at their Whitby location, an area of the floor that once housed equipment required a solution to level an old machine cut out. The aim was to bring the area of the cut out flush with the surrounding floor and provide a similar aesthetic to the balance of the plant.

During the installation, concerns with concrete contamination due to the nature of the manufacturing process also needed to be addressed. Minimizing dust and atmospheric contamination was a high priority. The solution needed to be installed with minimal shutdowns and adaptable to a 24/7 operating schedule. Resulting in a project that had to be carefully planned and executed.

PRODUCTION FLOOR LEVELLING

The Solution

Stoncor Group was able to provide a solution utilizing StonFlow, a highly engineered pumped screed, to bring the floor back to level. It was used in conjunction with Stonkote GS4 Clear.

The area was prepared then primed with Stonkote Penetrating Primer (in areas of contamination) and Stonkote Standard Primer that was broadcast with Quartz to seal the substrate and provide mechanical key for the StonFlow.

Stonflow was pumped into place with Stoncor's Utiform Mini screed pump. To ensure that no dust and contaminants from the pumping process could enter the plant, StonCor constructed a containment area to house the pump, which was exhausted to the exterior of the building. Once the Stonflow was placed, it was allowed to cure and then sealed with Stonkote GS4 to blend into the surrounding areas.

Stoncor provided a fast and effective single source solution that minimized any inconvenience to the plant's 24/7 operating schedule and prevented contamination from entering the atmosphere. The resulting finished floor allowed the company to utilize this area for racking and storage.



BEFORE



INSTALLATION