

# Last Spike Brewery

Calgary, AB, Canada



## Project Information

**Project category:**  
Production Facilities

**Year of construction:**  
2019

**Year of MAPEI involvement:**  
2019

**MAPEI coordinator:**  
Wade Topp

**Project owner:**  
Last Spike Brewery

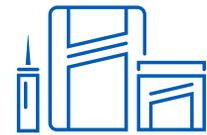
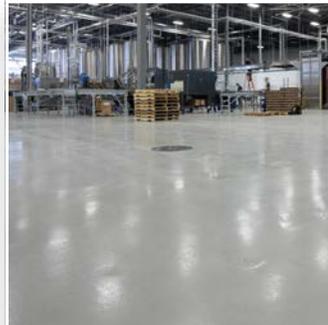
**Contractors:**  
Concrete Solutions Inc. / Protec Sol

**Photographer:**  
Wiktor Skupinski (Latitude Photography)



## Project Overview

Looking to expand its successful operations to western Canada, Last Spike Brewery sought a proven industrial-flooring solution that bridged high performance with a pleasing aesthetic. MAPEI's Cementitious & Resin Flooring Systems line met the need perfectly.



## Products Used

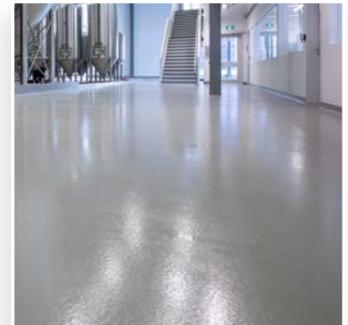
**Mapefloor™ CPU/COVE**

**Mapefloor CPU/SB**

**Mapefloor CPU/TC**

**Mapefloor I 302 SL**

**Primer SN™**



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## Trains, Beers and Industrial Flooring Solutions

Like the transcontinental railway that inspired the Last Spike Brewery's name, the story of MAPEI's involvement with the brewery's 50,000-square-foot (4 645-m<sup>2</sup>) expansion project starts in eastern Canada and finishes in the prairies.

It was 2018 and Last Spike Brewery's original Toronto, Ontario, brewery floor needed repair. Relying on his lifetime of experience, Shane Edwards – who serves as Product Line Manager for MAPEI's Cementitious & Resin Flooring Systems – was able to demonstrate the know-how and product quality that MAPEI is famous for in guiding the brewery's repair operations.

Edwards' efforts ultimately convinced the brewery owners that they had their answer for their planned westward expansion to Calgary, Alberta, the following year. The spacious production facility that they envisioned needed to impress with its look as well as its physical performance.

"They wanted a floor that was 'Show and shine' – and *Mapefloor* products leave that professional look," said MAPEI sales representative Wade Topp, who was brought aboard as coordinator for the Calgary project.

The need to gain the confidence of its craft-brewer clients is essential to Last Spike Brewery's business, so being able to present a quality facility is paramount, Topp added.

"We had just the solution they were looking for – using the polyurethane/

cement-based *Mapefloor CPU* system for the durability factor on the main production side, and the epoxy- resin-based *Mapefloor I 302 SL* solution for the bottling and warehouse side."

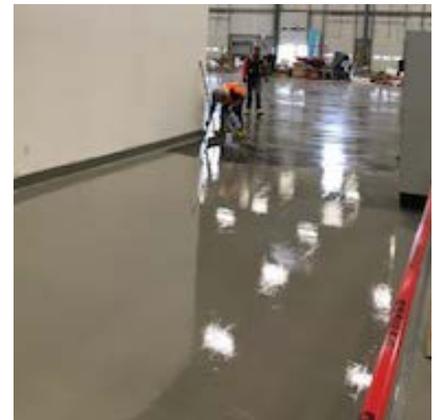
### MAPEI on the job

Surface preparation of the new factory floor's concrete slab was the first step. Contractors from Concrete Solutions, Inc. used shotblasting to bring the slab to a concrete surface profile (CSP) of #3 per International Concrete Repair Institute (ICRI) Technical Guideline 310.2R-2013.

With that job complete, contractors applied *Primer SN* and *Mapefloor CPU/SB* polyurethane/cement-based screed for the main brewery area, which is about 20,000 square feet (1 858 m<sup>2</sup>) in size. *Mapefloor CPU/SB* is formulated to cover industrial floors that are subject to medium to heavy traffic flow, aggressive chemicals and thermal shock up to 176°F (80°C), in compliance with standards that are applied in the food and beverage industries. Its sister product, *Mapefloor CPU/COVE*, was used for detailing and coving, joint repair and fixing of drains.

For a topcoat, *Mapefloor CPU/TC* polyurethane/cement-based coating was applied as a protective finish that would maintain the high durability and non-slip properties of the screed.

For the remaining 30,000 square feet (2 787 m<sup>2</sup>) of non-production areas, such as the tasting area (where a high aesthetic, but equally easy-maintenance



# Trains, Beers and Industrial Flooring Solutions

solution, was sought), Protec Sol contractors used *Primer SN* and *System 32* of *Mapectfloor I 302 SL* epoxy resin, which was double-broadcast for a slip-free, multi-layer finish and tinted Stone Grey.

The end product met the needs perfectly. Now in full operation, Last Spike Brewery boasts on its Website that its 100-beer-barrel (3,100 U.S. gals. [11 735 L]), fully automated brewhouse allows for large-scale production runs and can accommodate up to 120,000 beer barrels (3.72 million U.S. gals. [14.1 million L]) per year. With volume like that, it is good to have a flooring solution that is up to the task and built to last.



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