

LAMB WESTON POTATO PLANT

The Lamb Weston frozen potato processing plant has been in operation since 1972 and employs around 500 people. When key production and employee areas needed crucial repairs and upgrades to the floors in 2016, all the work had to be done in a handful of days.

“The floor areas being coated also had major mechanical equipment repairs, so quick return to service was required,” recalled local Tnemec representative, Rick Gilbreath with TNW, Inc. “The floors had to be properly prepared, coated, and cured to service in three or four days from start to finish.”

Besides the time factor, the coatings needed to resist a variety of different exposures, including constant steam cleaning, thermal shock, hot cooking oil, caustic chemical washdowns and the abrasion from foot and forklift traffic. Gilbreath worked with Processing and Manufacturing Market Director, Joe Schmit, to design each coating system to meet the facility’s performance needs.

The dryer portion of the facility had 8,000 square feet of area and had to be prepped, applied, and cured in four days. The coating system applied in this area was Series 245 Ultra-Tread S, which was bulked up with sand to create a repair material for patching. Next, Series 245 was applied as slurry and broadcast to refusal with sand. Finally, the system was topcoated with Series 237 Power-Tread.

The deteriorated trench drain was primed with Series 201 Epoxoprime and then brought back to level with Series 215 Epoxy Surfacer. Series 282 Tneme-Glaze was applied as the finish coat. Series 244 Ultra-Tread M, a trowel-down polyurethane concrete, was applied at ½ inch thickness in the high-temperature area under condensation return, which, when in service, is exposed to 14 pressure valves constantly spraying 220°F steam.

“The main entrance to the plant had to be completely finished and walkable before the plant went back online,” stated Gilbreath. “Using Series 256 Excellathane, the contractor was able to prep and apply all coats in a three-day window, allowing the fourth day for the topcoat to cure.”

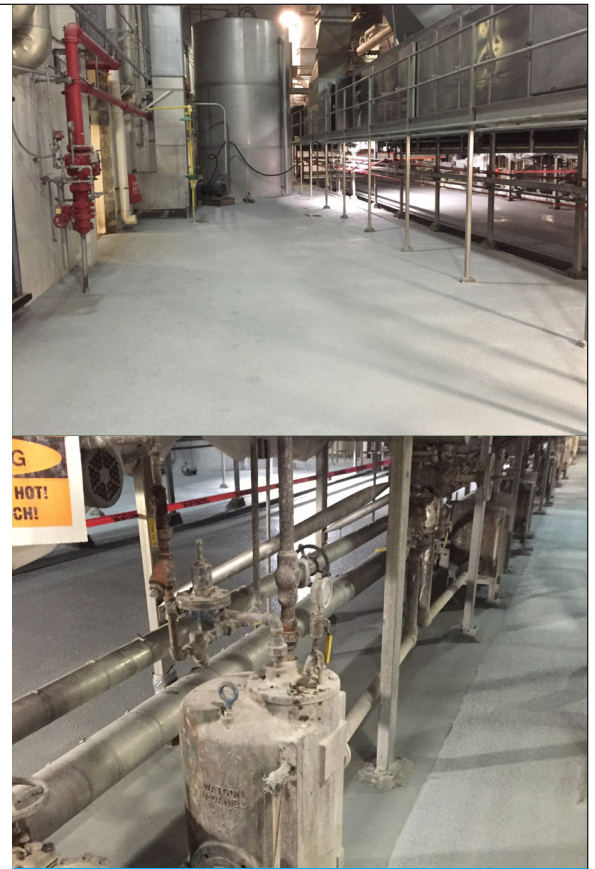
The system applied to the plant entrance consisted of Series 256 Excellathane double-broadcast with decorative quartz. Two more coats of Series 256 were applied before Series 248 Everthane was applied to give extra resistance to foot traffic.

In production areas, Series 245 Ultra-Tread S was utilized again for its fast-curing properties and versatility. In the pre-cooler room, Series 245 was extended with sand to create a patching and sloping material. Then, Series 245 was applied, broadcast to refusal and later topcoated with Series 237.

Headquartered in Idaho, Lamb Weston is the #1 producer of frozen potato products in the USA and #2 globally. Lamb Weston has 22 manufacturing facilities around the globe and sells 60 million portions of fries daily worldwide.

FEATURED PRODUCTS

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| Series 201 Epoxoprime | Series 245 Ultra-Tread S |
| Series 215 Epoxy Surfacer | Series 248 Everthane |
| Series 237 Power-Tread | Series 256 ExcellaThane |
| Series 241 Ultra-Tread MVT | Series 282 Tneme-Glaze |
| Series 244 Ultra-Tread M | |



PROJECT INFORMATION

Project Location

Richland, Washington

Project Completion Date

April 2016

Owner

Lamb Weston, inc.
Richland, Washington

Contractor/Applicator

Matheson Painting, Inc.
Pasco, Washington

Among the many Tnemec coatings applied at the Lamb Weston plant, Series 215 Epoxy Surfacer was used to level the deteriorated trench drain before being finished with Series 282 Tneme-Glaze, a chemical- and solvent-resistant topcoat for floors and walls.

