

Project:

McCains french fry and frozen vegetable processing plant

Location:

Smithton, Tasmania

Project completed:

2008

Applicator/Contractor:

Maintenance Systems

Market sector:

Food & Beverage

Products used & amounts:

Ucrete DP

McCains Smithton Vegetable Processing Plant

Ucrete DP high performance floor



Specifically developed for the food, beverage and pharmaceutical industries, Ucrete DR meets the requirements of the U.S., European and Australian standards for slip resistant pedestrian surfaces

The background

Master Builders Solutions' high performance Ucrete DP flooring was specified by the leading food processing company McCain Foods Limited, following its success in a series of trials conducted over two years in Tasmania.

The trials assessed the performance of a range of flooring solutions in live operating conditions. The results of the trials have once again highlighted Ucrete DP's outstanding performance and reliability in harsh operating conditions.

The challenge

In the past, despite trying a range of solutions, McCain Foods had found that many of the floor toppings applied at the Smithton Plant were not able to withstand the harsh operating environment, and were being damaged and degraded by the acid from vegetable matter, oil and the constant flow of forklifts.

There was heavy daily punishment of the floors. The performance of the floors in a food processing plant is critical for both safety and hygiene.

Contact:

MB Solutions Australia Pty Ltd
Freecall: 1300 227 300

McCains Smithton Vegetable Processing Plant

Ucrete DP high performance floor



Our solution

McCain conducted a two year trial of a range of flooring solutions, and specified Ucrete DP for the floors in the plant's loading and packing areas, as well as throughout a number of key processing areas, including the potato chip deep frying area. The Ucrete floors were laid by concrete repair and coatings specialists Maintenance Systems Pty Ltd who have over 20 years of experience with Ucrete.

The customer's benefit

- Ucrete DP's unique monolithic formulation provides an extremely high level of slip resistance while still remaining easy to clean and maintain.
- Rather than relying on a thin seal coat, Ucrete DP provides protection throughout the total thickness of the floor – delivering outstanding protection against thermal shock and/or repeated temperature cycling, as well as a wider range of resistance to chemicals and solvents (including acids, alkalis and hydrocarbons) than any other resin floor.

Projects facts at a glance

- 2000m² of Ucrete DP floors installed
- Main floor area is grey, with yellow used to delineate walkways and red used to highlight forklift operating areas.
- Safety has been improved at the plant with improved non-slip resistance due to the floor profile.
- Water use has been reduced due to floors being easier to clean.

Master Builders Solutions by MBCC Group

The Master Builders Solutions brand brings all of our expertise together to create chemical solutions for new construction, maintenance, repair and renovation of structures.

Master Builders Solutions is built on the experience gained from more than a century in the construction industry. The know-how and experience of a global community of construction experts form the core of Master Builders Solutions. We combine the right elements from our portfolio to solve your specific construction challenges.

Further information is available at:

www.master-builders-solutions.com/en-au