

# McCains Smithton Vegetable Processing Plant

## Ucrete DP



Ucrete DP is specifically developed for the food, beverage and pharmaceutical industries

**Project:**

McCains French Fry and Frozen Vegetable Processing Plant

**Location:**

Smithton, Tasmania

**Project completed:**

2008

**Products used:**

Ucrete DP

**Contact:**

Suresh Rebello

Phone: +61427 242 507

[suresh.rebello@masterbuilders.com](mailto:suresh.rebello@masterbuilders.com)

### 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.

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### 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.

### Project Facts at a Glance

- 2000m<sup>2</sup> 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

Master Builders Solutions is a leading global manufacturer of concrete admixtures, as well as other sustainable solutions for the construction industry, focused on delivering its vision: Inspiring people to build better. Master Builders Solutions provides value-added technology and market-leading R&D capabilities to improve the performance of construction materials and to enable the reduction of CO2 emissions in the production of concrete. Founded in 1909, Master Builders Solutions has more than 1,600 employees and 35 production sites globally with over 150 employees and 6 production sites operating across Australia and New Zealand. Master Builders Solutions supports its customers in mastering their building challenges of today – for a decarbonised future.

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