

Fonterra Milk Processing Plant

Ucrete DP



Ucrete DP floor in the Tanker Reception Bay

The Background:

Located in Takanini, Auckland and Reporoa, Waikato, the plants are owned by global leader in dairy nutrition, Fonterra Co-operative Group. One of the top ten dairy companies in the world, Fonterra collects over 14 billion liters of milk a year from New Zealand farms and sells more than 2.3 million tons of product to customers in more than 140 countries across the globe.

The Challenge:

The combination of heavy traffic (both foot and equipment) and harsh operating conditions, combined with the strict hygiene standards and punishing cleaning regime, requires a floor which is extremely hard wearing; resistant to a wide range of materials; able to withstand constant temperature cycling; easy to clean; and has a safe, slip-resistant surface.

Our Solution:

Applying the non-slip aggregateThe first of the new Ucrete DP floors was laid in a newly expanded processing area at Fonterra's Yoghurt, Cheese and UHT plant in Takanini, whilst the second floor was included as part of the refurbishment works in one of the Takanini plant's packaging areas. The contract for the new Ucrete DP floors and preparatory works was awarded to Topcoat Specialist Coatings Ltd.

Project:

Fonterra Milk Processing Plant

Location:

Takanini Auckland & Reporoa, Waikato

Project completed:

2011

Applicator / Contractor:

Landlease/ Portolesi Structural Ground

Products used:

MasterFlow 4600

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Installing Ucrete DP floor in newly expanded Takanini Plant

Encompassing a total area of approximately 500m², the Takanini floors were Fonterra's first Ucrete DP floors, and as such, these sections were also used by the company as a 'live trial' to assess the product's performance under actual operating conditions.

The success of the first two floors at the Takanini plant resulted in Fonterra installing a subsequent Ucrete DP floor in a section of its Reporoa plant. Encompassing an area of some 700m², the Ucrete DP floor in the Tanker Reception Bay incorporated a specially hardened non-slip aggregate to provide maximum slip-resistance and extreme wear resistance to cater for the high levels of heavy vehicle traffic.

The Customer's Benefit:

- Ucrete DP provides outstanding performance in demanding conditions
- Able to be used as a "live trial" to assess products performance
- Available in a range of colors
- Able to be used for new floors as well as refurbishment works



Applying the non-slip aggregate

Project Facts at a Glance

- Approximately 500m² Ucrete DP flooring laid in a newly expanded processing area and as part of the refurbishment works in Takanini plant.
- Approximately 700m² Ucrete DP flooring laid in Reporoa plant in the Tanker Reception Bay incorporated a specially hardened non-slip aggregate.
- Ucrete DP is easy to clean; and has a safe, slip-resistant surface.

Master Builders Solutions

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