

Hiland Dairy Finds Ideal Coating Solution with PPG SANISHIELD™

PPG SANISHIELD 3000 / 5000 polyurea spray coating system addresses food safety, cleaning, and maintenance challenges.

Case study

The Customer

Hiland Dairy has been a fixture in the Midwest for over 80 years, providing a full array of dairy products to customers in 7 different states. Hiland operates 17 processing plants and 51 distribution centers across the region, from Nebraska to Texas.

Contractor / Applicator

McGill Restoration – Concrete and Masonry Repair, Restoration, and Construction

The Location

Omaha, Nebraska

The Challenge

Provide a long-lasting, high-performance durable coating system that withstands aggressive chemical cleaning and harsh conditions in Hiland Dairy's loadout area.



Surface preparation included removal of fiberglass reinforced panels and sandblasting multiple layers of damaged coatings.

The Solution

PPG AMERLOCK® 2 was applied as a prime coat, followed by a polyurea base coat of PPG SANISHIELD 3000 (40 mils DFT). One hour later, a polyurea protective topcoat of PPG SANISHIELD 5000 (15 mils DFT) was applied. The loadout area was put into service hours later, as tanker trucks began rolling in. PPG SANISHIELD 3000/5000 will stand up to the daily wash downs with harsh chemicals including cleaning agents, sanitizers and disinfectants, typical treatment for food manufacturing wall coatings.

The Benefits

PPG SANISHIELD 3000/5000 is a cleanable coating for food manufacturing and is an effective alternative to fiberglass and stainless-steel wall systems. With a fast cure and high film build, the polyurea spray coating system allows for short shutdown interruptions and is ideal for walls and ceilings in cold storage, food manufacturing plants and pharmaceutical facilities.

The Result

The protection provided by the PPG SANISHIELD 3000/5000 polyurea protective coating reduces the frequency and cost of future maintenance and repair work. It is engineered to prevent issues like peeling paint, flaking rust, and porous substrates - to be a long-term solution that delivers lasting results.



Due to the quick recoat and rapid return-to-service times that the PPG SANISHIELD polyurea spray coating and the PPG AMERLOCK product provided, we were able to secure this project to meet the challenges of Hiland's installation timelines.

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