



Long-lasting Floor Protection with Devcon® Ultra Quartz™ Coating

Problem:

An aluminum components & laminates plant was installing new commercial flooring and had concerns with the longevity and durability of the floor coating. The previous floors were significantly worn down due to the highly corrosive process of anodizing aluminum, which led to concerns surrounding the safety and integrity of the facility.

Aluminum parts were submerged in large chemical tanks to create the finish required. The acid and alkali spills from these chemical baths at elevated temperatures reached the floors and often could not be washed immediately, resulting in significant damage to the concrete floors. In addition, heavy duty traffic (forklifts) caused the previous coatings to peel and scratch off.

The plant was also expanding their production capacity. A key requirement was to protect the new concrete floors with a durable coating that would withstand the high acidity and operating temperatures and provide a safe, long-lasting durable coating.

Solution:

Devcon Ultra Quartz was chosen for this application because it can withstand severe chemical attack and provide the required durable finish. In addition, it is easy to apply.

- Devcon Ultra Quartz provides excellent resistance to acids, alkalis, water, oils, solvents & chemicals. The non-sag material has a 9,000 psi compression strength providing outstanding endurance in harsh environments.
- The new concrete surface was prepared for the application by removing debris, washing the area and lightly abrading for optimal adhesion.
- The Devcon Ultra Quartz floor patch application was quicker and easier than expected. The product was easy to apply with a trowel and fully cured in 16 hours leading to minimal downtime & without compromising on product life expectancy.



Mixing Devcon Ultra Quartz



Devcon Ultra Quartz application



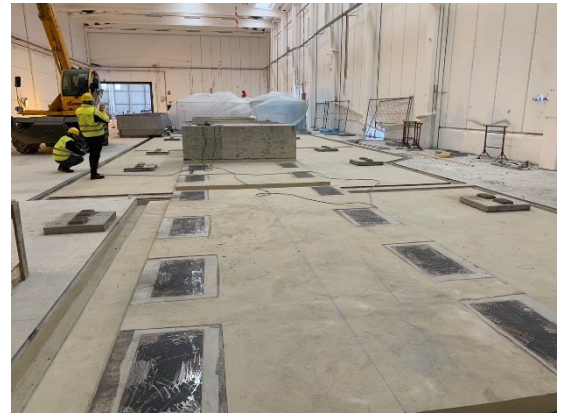
Project Outcome:

Proven Superior Performance

200m² of the new facility flooring was protected with Devcon Ultra Quartz coating.

Devcon Ultra Quartz was easily trowelable for a non-porous finish and cured hours quicker than expected to deliver a high-quality result – flooring that is functional and durable even in the toughest environment.

When compared to other solutions, Devcon Ultra Quartz had increased resistance during exposure to corrosive chemicals.



Production floor protected with Devcon Ultra Quartz and ready to accommodate the chemical tanks



Production floor after coating application



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