



Enduro Power™

Case Study – Convenience Foods: Pizza Processing

Location: Malmö, Sweden
Area: Environmental Cleaning
Enduro Power product: Enduro Chlor

Large scale pizza manufacturing requires pizzas to be transported on conveyors throughout the manufacturing facility while sauce and topping are applied. In this case study of a Swedish own label pizza manufacturer, the pizza bases were applied to a conveyor and then made their way through the facility directly to the ovens.

Conveyors, while simplifying the production process, saving space and avoiding the movement of production personnel also accumulate soil due to their construction from porous materials compared to stainless steel work surfaces.

During the manufacturing, process a build-up of sauce and toppings on the conveyors is common. To clean the soil a chlorinated foam was used, applied by standard foam generating equipment, before rinsing.

Enduro Chlor was introduced as a replacement for the chlorinated foam, applied using the same equipment, and following trials, it was adopted across the site.

The Result:

- Enduro Chlor has been validated for use at 2%. A reduction of 1% compared to the chlorinated foam resulting in a chemical saving of 33%.
- The cleaning results have been proven to be equally good at the low dosage, both visually and when tested with ATP.
- Water consumption is down 45% due to quicker rinsing.
- Labour savings have also been achieved due to the quicker overall cleaning time, allowing workers to be redeployed to other areas of the facility.

The introduction of Enduro Chlor has achieved a significant overall saving when product, water, time and labour are taken into account. Figure 1 shows the impact in one area of the site during the trial phase, showing the benefits of the reduced water usage and rinsing time.

