



CASE STUDY

Product Implementation

MOVING YOUR WORLD



Results & Conclusion

The coating was applied using a standard handheld spray system with a 1.4 mm nozzle at 5 bar. Operators reported excellent application characteristics, with the blanks becoming touch dry almost immediately. The mould maintenance team also found the product easier to apply than the incumbent coating, helping improve consistency and workshop efficiency.

Following successful application trials, the product was evaluated across four production campaigns, progressing from a single machine section to a full 12-section production trial.

The trial programme delivered excellent results across every stage. The first trial, producing a 700ml whiskey container, achieved 24 minutes without swabbing, exceeding the original KPI by 20%. The trial ended only because an automatic robot swabbing cycle was activated, meaning the coating's full performance potential was not reached.

A second trial on a 200ml bottle across six sections again exceeded the 20-minute target while maintaining excellent container quality.

The third trial produced the strongest performance, operating for 35 minutes before swabbing, representing a 75% improvement over the original target. Inspection showed the coating was still present on the moulds, suggesting even longer operating times may have been possible.

The final trial involved a full 12-section machine producing a 200ml flask, a container that had historically suffered from loading marks. Production personnel described the results as the best they had experienced on this product, with no loading marks observed throughout the trial.

Across all four evaluations, VITROLIS SPC 100 L consistently maintained excellent glass quality, extended swabbing intervals beyond target, demonstrated excellent durability, and proved easy to apply.

The trials confirmed that VITROLIS SPC 100 L successfully met every performance objective while delivering significant health, safety, and environmental improvements.

By combining extended no-swab operating times, consistently high container quality, easier application, and the removal of both health hazard and environmental hazard classifications, the product proved to be a highly effective replacement for the incumbent coating.

The successful implementation at Ardagh Glass Packaging demonstrates that VITROLIS SPC 100 L can deliver measurable operational, sustainability, and cost benefits for modern glass container manufacturers.

"The trials with VITROLIS SPC 100 L delivered excellent results from the following perspectives: Superior performance of the FUCHS product and H&S + environmental benefits. We consistently exceeded our no-swab extension targets, achieved excellent glass quality, and saw outstanding results on challenging containers where loading marks are typically an issue. The product was also easier to apply than our current solution, making it a very positive trial overall."

**– Ash Cooper, Forming Manager
Ardagh Glass Packaging**



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