

Case Study – On Site Servicing of Sanitary Bins

One of our major customers was working on the project of transitioning their business from a swap and collection service to providing an on-site service offering.

To ensure customer satisfaction and confidence that hygiene levels were being maintained or improved upon it was necessary to develop a product that would not only sanitise the surfaces of the on-site bin but also maintain a high standard of hygiene between services.

Project Aim

The aim of the project was to develop a service that was both convenient for the customer whilst improving the levels of hygiene being achieved in the washroom environment.

Method

Trials were conducted across multiple and varied locations with swabs taken from trial units to measure the bacterial activity on the surfaces of the bins and compare them to the existing and industry standard methodology of swap and replace.

Importantly, the goal that was set to achieve was not just to provide a hygienic unit at the start of the service but to see if that level of hygiene could be maintained for the whole period of time between services. To measure this swabs were taken prior to service, straight after service, at periodic intervals between service and at the end prior to the next service being completed.

To maintain a high level of hygiene between services the units were treated with the Ecogreen Long Lasting Sanitiser at the completion of each service with the product being allowed to dry on the surface.



Results

After hundreds of swabs and services conducted through the trial period the result was an overwhelming improvement in hygiene levels being achieved. You will see from the table below the levels of improvement achieved in one of the samples taken. *(This particular trial was conducted in the ladies washroom at the head office of the independent testing company used for the trial)*

Multiple swabs were taken from active and non-active locations on the sanitary bin, the active areas being areas on the bin that are more likely to be “touched” by the user during use of the bin, non-active being where it is unlikely that the bin would be touched.

Bacterial Count						
Location	Prior	Day 0	Day 7	Day 14	Day 21	Day 28
Treated Bin						
Active Areas	4830	120	240	50	110	280
Inactive areas	2580	50	150	150	20	150
Total Count	7410	170	390	200	130	430
% Variance		-97.7%	-94.7%	-97.3%	-98.2%	-94.2%
Untreated Bin						
Active Areas		180	2380	2330	4550	1880
Inactive Areas		180	360	1010	3080	610
Total Count		360	2740	3340	7630	2490
% Variance			+761%	+927%	+2119%	+691%

Conclusion

As the trial sample above clearly shows the change to on-site servicing using the Ecogreen Long lasting Sanitiser is providing a level of hygiene control never before seen. Maintaining bacterial levels 94 to 98% lower than originally on the bin surface compared to growth rates of 691 to 2119% for an untreated bin.

Demonstrating the superior levels of hygiene control has allowed the introduction of the on-site service and improved outcomes for all parties involved.

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