

Trial of SiO₂ Liquid Glass coatings at Next “The Fort” Birmingham



Overview.

- The aim of the trial was to evaluate the performance of the SiO₂ coatings within this specific facility.
- In all instances the application of the SiO₂ technology is very rapid but prior to application deep cleaning has to be undertaken.
- Ideally SiO₂ coatings are applied before surfaces become heavily soiled.

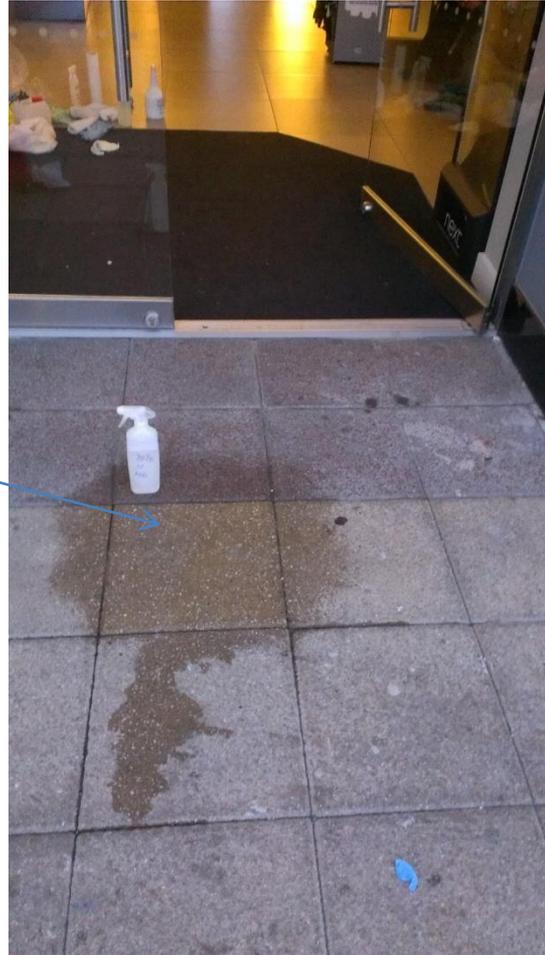
Front door



The interior and exterior surfaces , (including metal surfaces)were cleaned and coated. The door was heavily soiled. Only the RH side of the door was coated



Stone



This tile was cleaned with Biosativa and then coated with SiO₂ for stone. This image was taken when the coating was newly applied. The coating will be invisible when dry. It will prevent soiling.

Ceramic Flooring



SiO₂ coatings are suited for protecting both tiles and grout.

The area was photographed when wet. The coating is undetectable when dry.

Exterior Window Surface



The window to the rh. side of the main entrance.
Coated with Universal Coating. The coating was applied to the exterior surface.

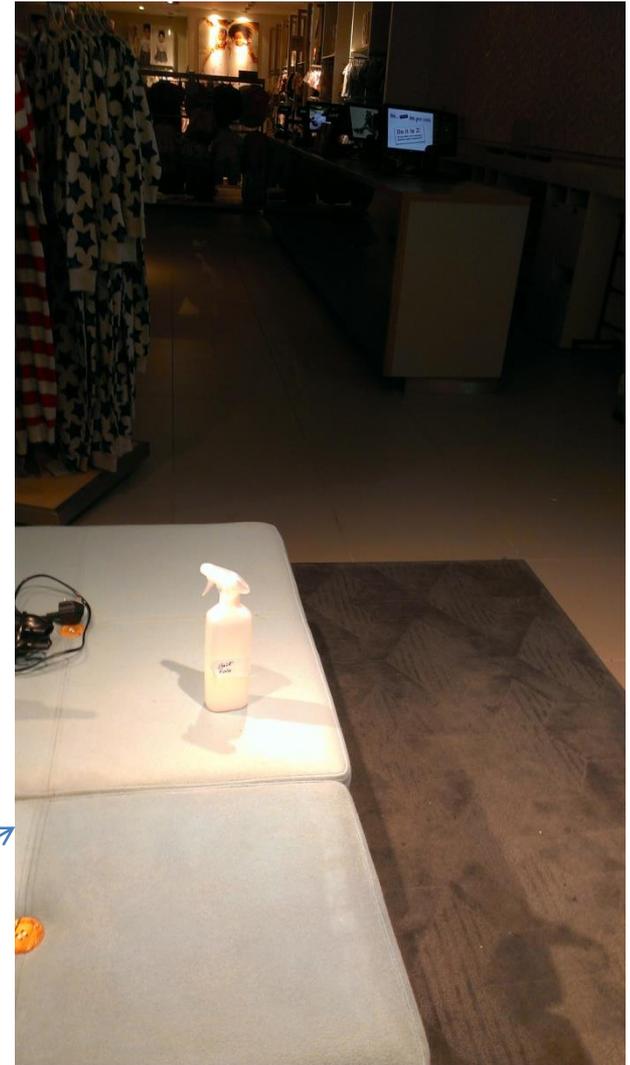
Fabrics stain removal and coating



During the previous visit to the store the store manager asked me to see if I could remove staining from this cushion. The cushion was much cleaner after washing with Biosativa. This image shows the start of the process.

This section has been coated with SiO₂. It was not possible to coat the newly cleaned section as it was too moist after cleaning. Ideally fabrics should be coated before they become soiled.

Note the lighter shade of the cleaned are



Carpet

This corner of carpet has been coated with SiO₂. The coating will become invisible when dried.

Evaluation with staining agents and soiling agents (after 24hrs of drying) will confirm stain resistance on this area of carpet.

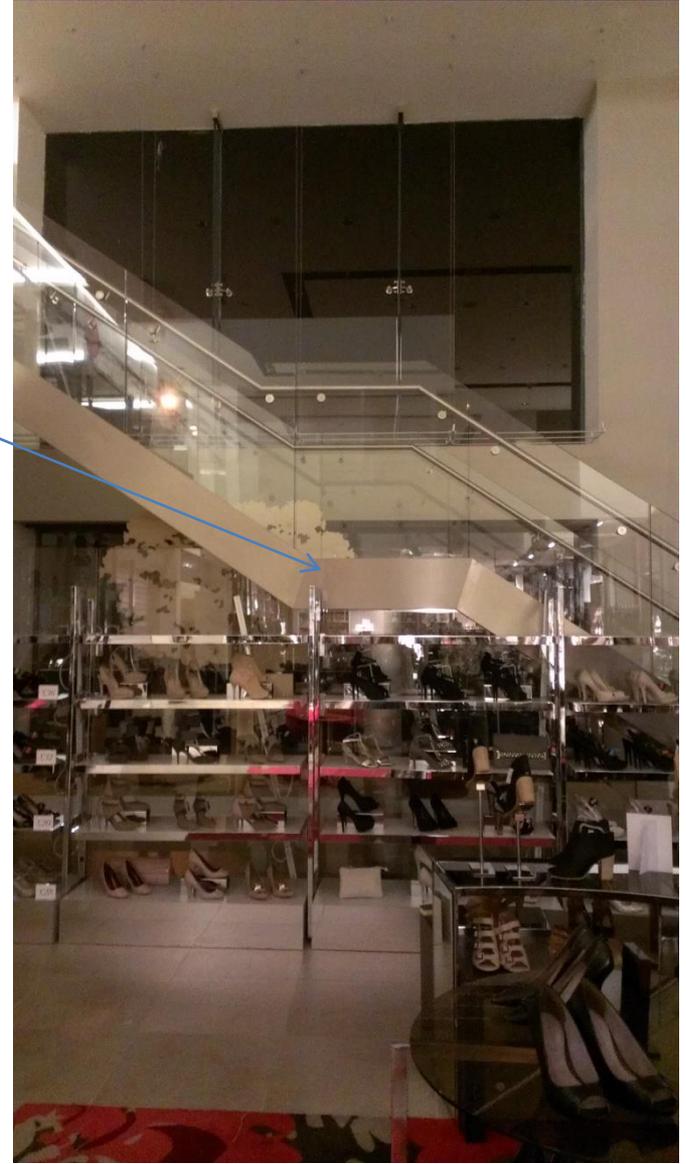


Test cleaning with Biosativa on the carpet in the main part of the store confirms that Biosativa can be used to remove staining prior to coating

Side panel of staircase

The brushed alloy side panels were heavily soiled and the structure “holds” soiling agents. Coating with SiO₂ universal coating will significantly enhance the clean-ability and the aesthetics of this section.

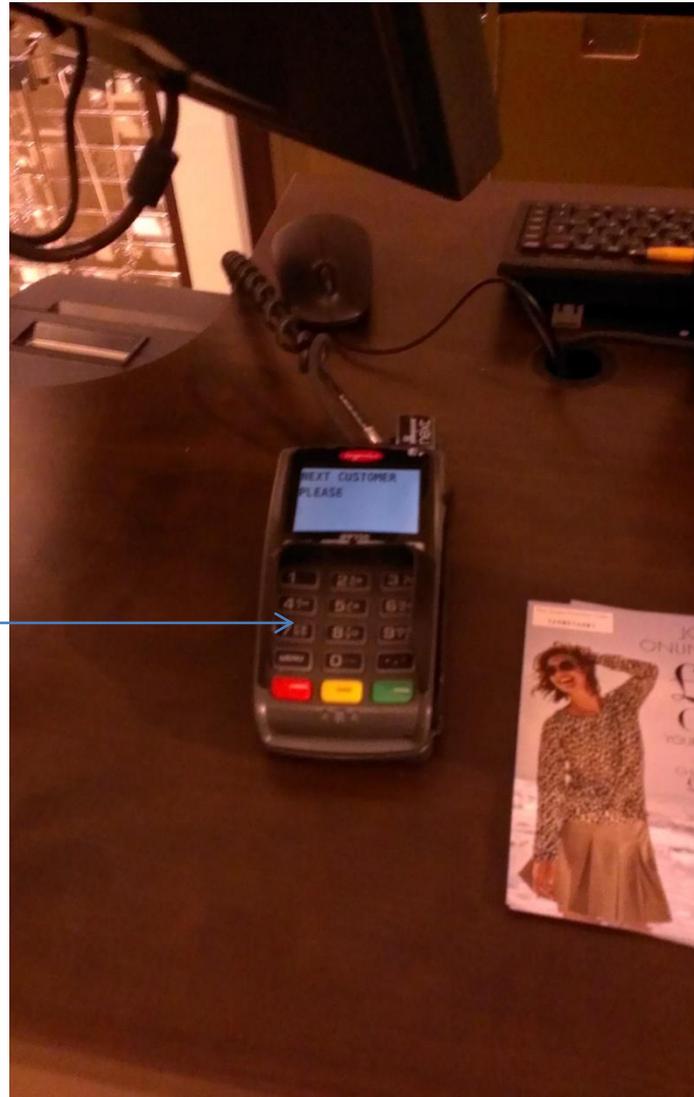
Arrow shows test area



Check out area

It is recommended that card readers are coated with Bacoban anti pathogen SIO2 coatings.

Bacoban is a class 2 a CE marked medical device . Card readers are recognised as contamination hubs



Check out area.



Soiling on panel (visible in image) was removed and then the area was coated with SiO₂ universal coating

Chrome fittings



Chrome is inherently an “easy to clean” surface however SiO_2 enhances the appearance and the clean-ability of chrome.

The areas coated are the foot of the stand and the face of the stand.

Mirrors

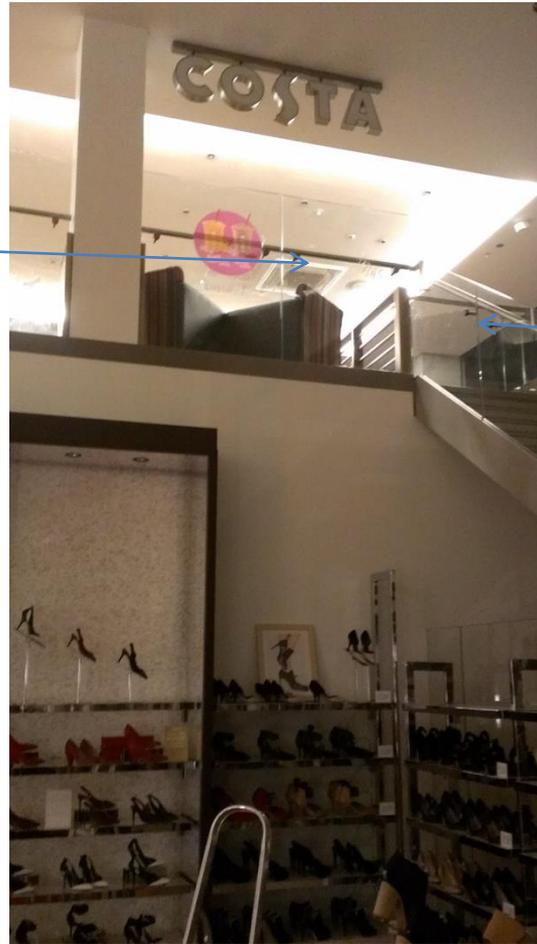
Experience informs us that it is best to coat 50% of a mirror in order to evaluate enhanced clean-ability. Liquid Glass for glass was used on this surface.



Mid section coated

Glass panels

This glass panel was cleaned lightly on the exterior /store facing surface, The cleaning was “light” due to limited access. The Costa facing side was deep cleaned,



This panel at the top of the staircase was cleaned on both surface.

Both glass panels were coated with SiO₂ for glass.

Both glass panels were heavily soiled prior to cleaning.

The hand rails for each panel were also coated.

Some glass has been cleaned with an agent containing silicone, or a similar agent



This image shows that on certain parts of the glass a coating was in place. This inhibits adhesion of SiO₂ coatings. The lower section of the panel was not coated with this agent and it was relatively easy to clean.

Soiling from table, prior to coating



Table cleaned and coated with universal anti bac



This table is located at the top of the staircase ,on the left hand side as one ascends .

Cleaning and coating took approximately 2 min minutes.

Cleaning = approximately 1.minute 30 seconds. Coating 10 seconds.

Buffing 20 seconds.

Stair case

Areas coated



The left hand section of the top 3 steps have been coated. The stainless steel was heavily soiled. The treads and the toe boards and the stainless steel sides and the adjacent hand rail were coated with the universal coating.

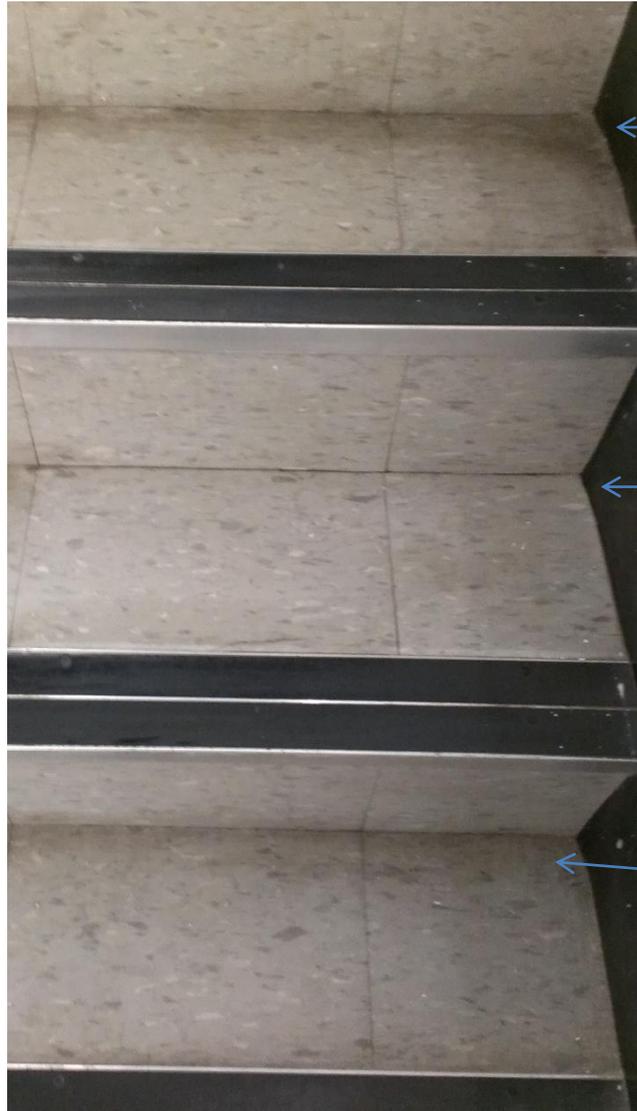
Doors- Finger Pads and Kick Strips

These areas were heavily soiled . The SiO₂ coatings will make subsequent cleaning significantly easier. Main doorway to staff area from store.



Cleaning and coating stairs

This part of the trial was conducted on the first rise of steps from ground level to the staff area. The test area is clearly visible.



Soiled area

Cleaned with
Biosativa within 30
seconds. Coated
with universal
coating

Soiled area.

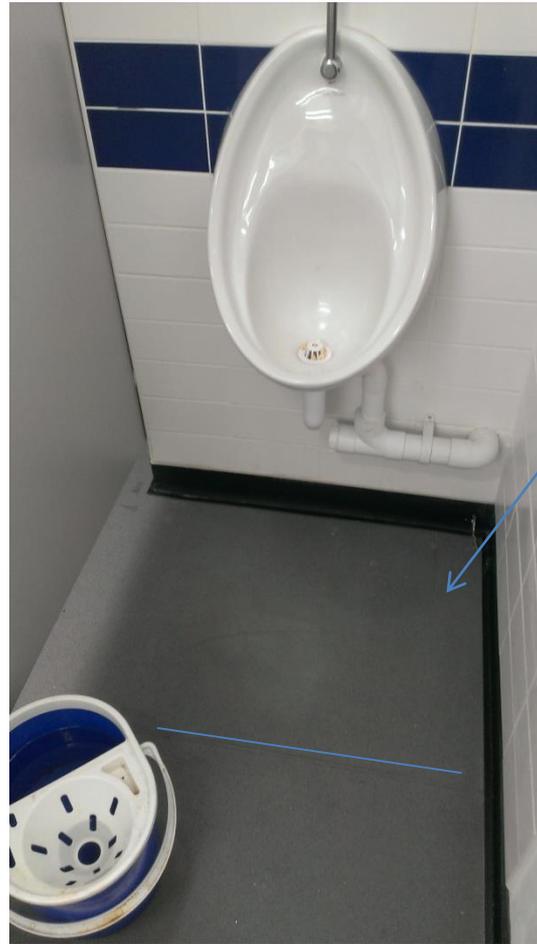
Toilet area

Soiling from grout underneath hand dryer.

The area under the dryer was coated with universal anti bac coating after cleaning.



Cleaning and coating under urinal



This area was heavily soiled.
After cleaning universal anti
bac was applied

Wash basins

All areas were coated with the universal anti bac. This unit is adjacent to the entrance. Normally the most heavily used.



Toilet door furniture



Cleaned then coated with universal anti bac coating. Total time 2 minutes. This is the coating which is used within NHS hospitals.

