

## LTC Toilet Specifications

Here is a quick paper to show roughly where we were at previously with regard to specifications for the toilets from the Toilet Working Group at 2019.

### Whiteware

The Manufacturer we were recommending for the majority of hardware was Resan which is a British made product which has the feel of porcelain but the strength and durability of Stainless Steel.  
<https://www.dudleyresan.co.uk/>

We had met with the Rep for the company and they were prepared to do us a deal holding the cost of the items for the period of our agreement to include all the toilets that we planned to refurbish. A complete listing of what we would require had been produced and Mark had that in his files. (I may still have it). No agreement had been entered into as the specifications had not been agreed. The items would be purchased via the plumb centre as and when we required them.

Resan: toilets, basins, urinals, mirrors - they can also provide infra-red taps and soap dispensers indeed they now do a basin with these built in so that there are even fewer moving parts to be vandalised.



<https://www.dudleyresan.co.uk/product/anti-ligature-basin-with-nose-and-2-taps-outlets-infrared-control/>

<https://www.dudleyresan.co.uk/product/dudley-resan-vandal-proof-restroom-mirror-frame-systems/>

<https://www.dudleyresan.co.uk/product/resan-shelf/>



<https://www.dudleyresan.co.uk/product/standard-height-v2-pan-with-seat/>

<https://www.dudleyresan.co.uk/product/standard-height-v2-pan/>

<https://www.dudleyresan.co.uk/product/resan-urinal/>

It was being recommended that toilets be built with a hidden flush system in a cabinet if there was not provision for them to be provided elsewhere (as at Kirkley Cliff and the Triangle Toilets.) Resan normally provide toilets with no seat as this obviously reduces the risk of vandalism and also of using the seat to cause injury however it was noted that toilets without seats were more complicated for young children to use. Resan now produce a toilet with a seat and a lid.

Resan whiteware may be more expensive than porcelain but is comparable with the high-grade stainless steel which would be needed in Lowestoft. As you can see from the link above it is exceptionally strong and designed to be vandal resistant and anti-ligature. It also is not as cold to the touch as other materials.

## Lighting

Lighting recessed spots with LED bulbs would be the preference so that they are recessed in the ceiling and again reducing the chances of vandalism. It was proposed that the lights should be on movement activated sensors set on a timer. The key thing was to standardise the lighting across all the toilets so that only one type of lightbulb would be required. The possibility of installing solar panels on the roof to power lighting was also something which we wished to investigate further but had not had the chance at that stage. At least having the option of having solar power with the backup of mains electricity seemed a positive option to explore.

## Accessories

I know in that Mark had a lot of specifics already recorded but I'm not sure of the model of hand dryer that was being recommended, I do recall that a lot of research had been carried out on this and toilet roll dispensers. Additionally two years on, there may be a better specification hand dryer. We had looked at a more generic model produced by an established British manufacturer. Although there are some very good high quality hand dryers out there (such as Dysons) we had rejected them as being too costly for unstaffed toilets. Cold Air hand dryers had come out as the best option environmentally especially if they could in time be powered by solar panels on the roof of each toilet. The older roller towels are no longer considered hygienic and paper towel mean more cleaning time, additional waste and potential fuel for arsonists. We also spent time looking into the costs of toilet paper, auto-refilling toilet roll dispensers and ones which would be more vandal proof and from which it was harder to steal toilet rolls. Interestingly, at the time, it turned out that dispensers which took standard toilet rolls (especially two or three of them) were more cost effective than the ones which took the larger toilet rolls is a single option as there actually was less waste.

## Walls and Floors

### a) Walls

This was an area where an answer had not been reached. Mark preferred the option of vinyl sheet walling and doors with hospital style flooring whereas I felt that white quality subway tiles with black or dark grey grout as jointed as closely as possible was more durable and easier to deal with graffiti wise. To stop it looking too sterile it could either have a single band of coloured subway tiles at picture rail height or a band of yellows subway about skirting height, red at dado and blue at ceiling to pick out the LTC colours for a fun look or even a plain black for a very traditional look.



## b) Floors

Dark/toned riven porcelain floor tiles grouted with a blending swimming pool standard grout in order to prevent urine or other substances soaking into the grout and producing long term aroma issues and the darker colours tend to disguise dirt more so that if someone when in with dirty feet soon after they had been cleaned it would not be so obvious.



Ideally with all the tiles it would be positive to purchase from an established British manufacture and for the tiles to be classic so that should there be any damage it would be possible to repair rather than completely renovate.

### Fans/Vents

Bearing in mind that ventilation reduces odour as well as transmission of airbourne particles it would be sensible to install fans/vents. These could be either fitted to windows or through walls. An axample is below.

<https://www.solarshop.co.uk/solar-fans#!/Solar-Vent-SVT224S-with-Battery-Backup/p/66517025/category=19615152>

### Woodwork and Doors

Any timber work should be treated with Sadolin Ebony for a variety of reasons. Sadolin is easily maintained and durable and can re applied as required with limited preparation. Ebony is a black finish and the majority of graffiti tends to be done in black so it deters vandalism additionally it is very important to have strong contrast between doors and walls for people with visual impairments and the black door would achieve this against white walls.

### Locks

We had been advised that there was a budget at WDC to fit all the toilets with automatic locking so that there would be no need for anyone to go around and lock/unlock the toilets. At this time this appears to have gone quiet. It would still be a positive option to investigate but there may be several sets of toilets where new doors would need to be fitted to enable these locks to be fitted. We were informed that the locks do have a safety feature to prevent them locking whilst there is movement within the toilet.

### Covid

At the moment we are not sure if this will have any effects on public toilets in the long term so we best that we can do is design to minimalise issues. By installing single urinals this will reduce the numbers who may be able to use them at once but also allow as to ensure the distance between them. It may also be possible to install divisions between them for health and privacy reasons. Solid walls should an option between cubicles wherever possible.