



INTRODUCTION

This document describes the process washing and preparing IBC's which have been assessed and graded washable to a standard of C or above.

PPE REQUIREMENTS

- Hard Hat
- Waterproof/Chemical Suits
- Goggles
- Gloves
- Protective Boots

PROCESS

The site supervisor will instruct FLT operatives as to which IBC's in the yard are required for washing, dependant on the current customer spec the IBC's will be produced for. The FLT operative will then feed the IBC onto the start of the raised conveyor (Fig 1)



Fig 1



Fig 2

The conveyor then feeds the IBC through into the manual wash area (Fig 2), where a Line Operatives removes the caps and old seals. Once the caps and seals have been removed, the valve is then opened to release any remaining residues which are contained within the IBC.

The operative then inserts the pre wash automatic robot Machine into the opening at the top of the IBC (Fig 3), this then pre washes the inside of the IBC with any contents leaving through the open bottom valve.



Fig 3



Fig 4

The IBC is then left to drain, and all labels and previous markings are to be removed. The line operative must then manually wash the exterior of the IBC with a hand held jet wash, to the standard required (Fig 4)



Fig 5



Fig 6

The IBC is then fed through to the first of three automatic wash cycles (Fig 5), and are checked by a line operative to ensure that no IBC's become stuck at any point, and all IBC's are draining accordingly.

1. Warm Caustic water pressure wash for 5 minutes and leave to drain.
2. Warm Caustic water rinse for 5 minutes and leave to drain.
3. Clean water wash to rinse to remove remaining caustic solution.

Once all washes are complete, a line operative then uses a vacuum to suck out any left over water and residues, and uses a mop to clean the entire inside of the IBC (Fig 6). The IBC is then moved along the line to the dryers, where they will be left for 5-10 minutes to ensure the inside of the IBC is completely dry (Fig 7)



Fig 7



Fig 8

Once dry, the IBC can be moved to the end of the line where an FLT Operative lowers it down to the QA area. A Line Operative then conducts the QA assessment of the IBC which involves:

1. Checking the inside to ensure the IBC is clean and dry (Fig 8).
2. Making sure the valve is closed.
3. Attaching a new seal (Fig 9).
4. Attaching the cap.



Fig 9



Fig 10

The IBC is then internally assessed to make sure that once filled, it will not leak. This is achieved by means of a leak test. When the test is complete, a green light will indicate a PASS and a red light will indicate a FAIL (Fig 10).

If and when an IBC passes the leak test and all above steps have been achieved, the cap is to be placed back on and an FLT Operative is to move the IBC back into the yard for stock.