



# Oasthouse Engineering Ltd.

[www.oasthouse-engineering.com](http://www.oasthouse-engineering.com)

## PASTEURISATION INFORMATION

### STANDARD INFORMATION

For all Aluminium cans, all sizes

The maximum temperature for all standard cans is 75 Degrees, If you require running at temperatures above 73°C please contact us as you may require RETORT specification can.

Particular attention must be paid to the water quality. Additives for preventing the formation of slime and algae, as well as for adjusting the pH, may not contain any corrosive components. In the heating zones the pH must be adjusted to between 6.5 and 7.5.

The ends need to be rinsed with water meeting Metal Packaging Europe specifications (chloride levels should be <10 ppm and sulphates and nitrates <15 ppm), after leaving the pasteuriser.

### LACQUERED ENDS

In addition to maintaining the correct pH of the water within heating zones, if you are pasteurising at higher temperatures, we recommend the use of 'Lacquered Ends'. Lacquered ends will reduce the risk of the 'tabs' on the ends becoming discoloured. Please request 'Special' or 'Lacquered' ends when ordering.

### PLATE PRINT

If you are planning to pasteurise your product at a higher temperature (75+ Degrees) or use a Retort Pasteurisation system, you may require specialist inks. Some colours may fade and lose lustre if they are submitted to temperatures of 75 degrees and above. If specialist inks are required these print runs are subject to much higher MOQ volumes.

### DIGITAL PRINT

As Digital Print technology and the inks used are in their infancy, there is limited information regarding pasteurisation temperature and times. We have completed some testing regarding ink stability and do not recommend temperatures above 65 degrees.

We strongly recommend a sample test is completed for all cans (design specific) ahead of pasteurisation to ensure ink stability for the required Pu values. It is important to test on the same equipment being used for production. Different finishes can react differently at different temperatures, so it is an important consideration for your design.

It is important to inform us the method (Tunnel, Flash, Chemical, Inverted or not) and temperature required for the pasteurisation of your product, so we are able to guide you.

### RETORT CANS

If you do require RETORT cans and ends, we are able to supply cans but do require additional timescales in order to meet demand.