GLASS SEALING

Foil sealing to glass or ceramic containers can be difficult and can pose several challenges.

WHY
Glass is a natural product that gives off substances that deposit on the surface.
These make the sealing process more difficult, especially for liquids, therefore the neck of the container should be treated.

WHAT IS NECK TREATMENT?
Neck treatment is a method of treating the glass to allow foil sealing. This is usually done by the glass manufacturer and they each have their own proprietary means of doing this. There are also companies that apply a rim treatment afterwards and we can supply recommendations for both.

WHAT IF MY GLASS JARS DO NOT HAVE THIS
If the contents are dry you may still be able to seal them, but tests need to be carried out to confirm this. Liquid based products are more difficult and an initial seal may break down after time which can be from one day after depending upon the product.

ANY OTHER CONCERNS
Treated jars have a shelf life and should be stored in accordance with the manufacturer's recommendations and a first in first out principle should be applied.

The neck of glass jars should also be kept clean and not touched so no natural oils are transferred to the neck that would inhibit sealing.

In addition, the neck is not always smooth. With a plastic jar, such deviations are simply "melted away" by the heat. This is not possible with glass. Therefore, we strongly recommend sealing with contact induction so a rubber faceplate can be used to apply full contact. If sealing with conduction a specially designed glass head can be used but it is not as reliable as contact induction.

HOW WE CAN HELP
We offer various services to test your glass containers.

1. Seal customer supplied jars filled with water using various foil structures.
   This will then confirm if your jars are suitable subject to further trials with product.
   Cost £100.00.

2. Seal customer supplied jars with their product using various foil structures.
   This confirms the suitability of your jars with product and selection of recommended foil material and sealing method.
   Cost £250.00

3. Vacuum test successfully sealed jars.
   Sealed jars will be tested to determine seal strength and burst point. They can also be tested to recommended air freight conditions.
   Cost £500.00

4. As above with a sample quantity of sealed and tested jars returned for further shelf-life testing by the customer.
   Cost £550.00 + Shipping Cost

5. Purchase/Hire of manual test equipment for customers to further test in higher quantities.