

BIOSEA

THERMAL



COMPANY PROFILE



About Us



Here at Biothermal SA we have realised that not all of us became a Pharmacist, Scientist, Doctor or Nurse but with our expertise gained over the years we can assist these Sectors with the safe transport of their valuable Medication, Chemicals and Biological samples to name a few.

BioThermal SA started with the key factor in mind, that we would like to add value and contribution to the Pharma, Biological, Medical, Perishable and Healthcare Sectors. We partnered with Prestige Companies namely: Pelican Biothermal; Bio-Bottle and Tempmate, by forming these partnerships we are able to provide our clients with Verified products that would give you peace of mind when it comes to your Valueable Cargo. With having these products available and our offerings, we are able to provide you with safe, reliable and Temperature controlled shipping Globally.

Company History:

Company established in 2020, where we partnered with Pelican Biothermal and became a distributor of their products for the whole of Africa. The reason for starting the company was to introduce a revolutionary product that will give you peace of mind when transporting your valuable temperature-controlled products or samples. We expanded our product range by partnering with 2 additional companies namely: Tempmate and Bio-Bottle. We are now able to offer a full temperature-controlled solution and provide UN approved packaging for Biological (UN3373) and Infectious substance (UN2814) to our Medical Clients.

What we have started to realize is that a lot of our clients have requested that we offer a FULL service. This included that we provide the packaging, temperature monitors and then the full Logistical Solution. With our management team having vast expertise in temperature-controlled logistics, it was easy to set up and partnered with key companies that can assist In different countries globally.

Business Growth:

BioThermal SA have grown from, just being a distributor of the Pelican Biothermal, Bio-Bottle and Tempmate products to a Complete Logistical solution.

Company Vision:

Our vision is to take Packaging, Temperature monitoring and Logistics to the next level in Africa by introducing a cold chain solution that all sectors from below can benefit from:

- Medical
- Biological
- Pharmaceutical
- Veterinary
- Perishable

Company Mission:

Our mission is to provide our clients with excellent products and Service that will give you peace of mind when transporting your valuable cargo. We strive to provide our clients with only the best reputable products that have been tried and verified. We are here to be an extension of your business and can offer a full tailored solution with regards to Packaging, Temperature Monitoring and Logistics.



Our Products



Products:

- Single use Thermal Shipper
- Reusable Thermal Shipper
- Single use Pallet Shipper
- Reusable Pallet Shipper

Single use Thermal Shipper

- Our range of single use and reusable parcel shipping solutions are suitable for all biopharma and clinical trial applications.
- Utilising advanced insulation, together with either water or phase change material to give consistent results, our products achieve consistent temperature stability for your valuable payload.
- Our products are designed for the demands of global temperature-controlled logistics and are tough, durable, reliable and easy to use.

Reusable Thermal Shipper

- At the cornerstone of Pelican BioThermal's reusable cold chain packaging solutions are the Crēdo™
- Cube – a sustainable option that lessens an owner's carbon footprint, reduces waste and decreases costs.
- We offer a wide range of reusable temperature-controlled parcel shippers to meet your payload, temperature range and duration protection requirements consistently.

Single use Pallet Shipper

- Our range of single use passive bulk shipping solutions are suitable for all biopharma and clinical trial applications.
- Utilising advanced insulation to provide strict temperature control of your product within the demanding environment of global distribution.
- Our products are designed with the ability to be flat- packed, modular and easily assembled.

Reusable Pallet shipper

- Our high performance, extremely durable and reusable, passive temperature controlled Crēdo™ Xtreme pallet shipper is offered in two sizes (half and full pallet) ideal for consolidating large domestic and international cargo shipments.
- Pelican BioThermal's innovative technology provides a cost-effective temperature-controlled container that ensures secure transport of high value pharmaceutical/biotech products qualified to maintain the required temperature range for up to 120+ hours.
- A simple conditioning method provides significant return on investment with less labour costs, greater volumetric payload dimension and reduced risk of payload excursions.



tempmate.®

Products:

- Tempmate- GS
- Tempmate-S1
- Tempmate-M1
- Tempmate-B4
- Tempmate-i1
- Tempmate-Cloud

Tempmate-GS

- Real-time temperature, humidity, location, light and shock GSM tracking for smart logistics worldwide, anywhere and anytime.

Tempmate-S1

- Economic single-use GDP conform temperature logger with automated PDF & CSV reports for smart logistics.

Tempmate-M1

- Economic multi-use GDP compliant temperature data logger with automated PDF analysis for smart logistics.

Tempmate-B4

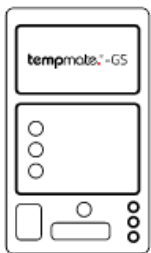
- Ultra-robust mini logger, the size of a button cell, for recording temperature and humidity measurements with up to 5 years recording duration.

Tempmate-i1

- The worldwide standard single-use GDP compliant temperature indicator for smart logistics.

Tempmate-Cloud

Real-time GSM location, temperature, humidity, light and shock tracking for today's smart logistics.



tempmate.®-GS



tempmate.®-M1



tempmate.®-i1



tempmate.®-B-Series



tempmate.®-S1

bb bio-bottle

Products:

- **Bio-Bottles**
- **Bio-Pouch**
- **Below-Zero**
- **Bio-Freeze and Ultra-Freeze**

Bio-Bottles

- Combination packaging for the shipment of ambient infectious specimens and biological substances (Category A and Category B). Available in various sizes: 0.50 L (red bio-bottle), 0.85 L (blue and white bio-bottle), 2.5 L (orange bio-bottle) and 3.0 L (yellow bio-bottle).

Bio-Pouch

- Liquid tight flexible secondary packaging withstanding the differential pressure of 95 kPa. Also available as combination packaging for the shipment of ambient infectious specimens and biological substances (all risk groups).

Below-Zero

- The below-zero product range has been developed to provide a solution for transporting biological samples and specimens at temperatures below 0°C with the use of dry ice.

Bio-Freeze and Ultra-Freeze

- Combination packaging for the shipment of temperature sensitive infectious specimens and biological substances (all risk groups) and the shipment of temperature sensitive of non-hazardous materials below 0°C. Patent pending product design and innovative phase change material offers proven specimen protection.



INSULCAP®

INSULPLATINUM PLUS



Products:

- Insulcap Thermal Covers

Wilpak Group International produces a range of custom InsulCap® pallet covers. These thermal barrier systems enclose the palletised products to provide an enclosed thermal environment, that passively manages product temperature during storage and transport.

- Our InsulPlatinum® Plus barrier is a heavy-duty large air cylinder material which offers maximum protection for temperature sensitive goods.
- InsulPrime® barrier is a general-purpose material at a budget price.

Thermal Barrier Material Properties

| MATERIAL | REFLECTIVE BARRIER | AIR CYLINDER | BARRIER THICKNESS | THERMAL RATING |
|--------------------|------------------------------------|--------------|-------------------|----------------|
| InsulPlatinum Plus | 2 (foil external/internal) | 25+ mm | 12 mm | 5 Maximum |
| InsulGold | 1 (foil external) | 25+ mm | 10 mm | 4 High |
| InsulPremium | 2 (foil external/polymer internal) | 10 mm | 5 mm | 2 Medium |
| InsulPrime | 1 (foil external) | 10 mm | 5 mm | 1 Budget |



Logistical Services



Offerings:

- Airfreight Imports – We are situated in South Africa and have a great network in place that will ensure that all precautions will be taken to ensure and eliminate any delays when it comes to delivering or distributing your shipments locally or cross border. We can handle any shipments destined for Africa or globally.
- Airfreight Export – BioThermal SA deals directly with the airlines and we have access to 25 + airlines that will give us the edge when we need to secure cost-effective rates to our clients.
- Sea freight (Imports/Exports) - BioThermal SA have partnered with one of the leading freight forwarders that assist us with Sea Freight. We can offer very competitive pricing on Sea freight.
- Cross Trade – Globally
- Cross Border Road Freight (Botswana, Namibia, Lesotho, Swaziland, Mozambique).
- Local and International Courier (Competitive rates on our courier service where our clients can choose on DHL network or normal Courier network).
- TCV's (Temperature Controlled Vehicles for local or cross border collections or deliveries)
- Dedicated Deliveries (Temperature controlled or General)
- Storage (General / Temperature Controlled) at the airline or off site.
- Procurement (Assisting with any products required based on Pharma, Biological, Medical, Laboratory or Healthcare sector according to your specifications).
- DG Packaging, Labelling and Documenting.

Additional Products



We are able to assist with General Products:

This includes Pallet Wraps, Sheeting, Tubing, Plastic Bags, Bubble Wrap, Corrugated Board Boxes, Pallets, Crates, Packaging Tape, Strapping, Labels, Stationary, Personal Protective Wear, Cleaning Materials





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We look forward to hearing from you and building a long-standing relationship.

Please do not hesitate to reach out to us with your requirements.



PELICAN
BioThermal™

