



# LOW MELTING POINT TEMPERATURE ALLOYS AND ACCESSORIES FOR MEDICAL PURPOSES



Bertrandias, a brand  
since 140 years





The METACONCEPT Group offers a range of specific alloys whose melting temperatures are guaranteed by the precise composition of the alloys. This provides the behavioural change required (solidus/liquidus) in medical fields.

## 100% guaranteed

Low melting point temperature alloys:

- BISMUTH BASED NON FERROUS ALLOYS,  
Low melting point, with dilatation or contraction when cooling
- EXCLUSIVELY MANUFACTURED with virgin metals, high purity and systematically controlled
- LOW OXIDIZABLE AND REUSABLE ALLOYS
- ALL OTHER LOW MELTING POINT TEMPERATURE ALLOYS ON REQUEST  
Wood alloy, Arcet alloy... for all temperatures between 47°C and 200°C
- REGISTERED TRADEMARK IN 1 KILO INGOTS;  
Other shapes on request: sticks, ingots and small ingots, shots...

VARIOUS TYPES OF SETTINGS



# Our range for special medical uses

## → SHIELD PROTECTION FOR RADIOTHERAPY

### • CERROBEND®

| Réf.     | Désignation      | Form                              | Solidus/Liquidus | Density g/cm <sup>3</sup> | Brinell hardness | Expansion in %* | Packaging |
|----------|------------------|-----------------------------------|------------------|---------------------------|------------------|-----------------|-----------|
| FB073300 | CERROBEND® alloy | Small marked ingot<br>Around 1 kg | 70°C - 73°C      | 9,4                       | 9,2              | +0,25<br>+0,57* | Bulk/Box  |

\*after 2m.500h.

### • CERROSHIELD®

| Réf.     | Désignation        | Form                              | Solidus/Liquidus | Density g/cm <sup>3</sup> | Brinell hardness | Expansion in %* | Packaging |
|----------|--------------------|-----------------------------------|------------------|---------------------------|------------------|-----------------|-----------|
| FB096300 | CERROSHIELD® alloy | Small marked ingot<br>Around 1 kg | Eutectic<br>96°C | 9,87                      | 14               | -0,4<br>+0,25*  | Bulk/Box  |

\*after 2m.500h.

## → MEDICAL EXTRUDED POLYSTYRENE FORMS



Sizes and colours on demand

### MOULDS, IMPRINTS



### OPTICAL LENSES ANCHORAGE

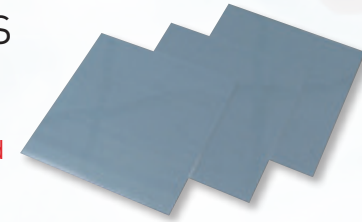


### PROTECTIVE RADIOTHERAPY SHIELDS



## → LEAD SHEETS FOR RADIOTHERAPY ROOMS

Sizes on demand



## → LENSES ANCHORAGE CERROLOW®

| Réf.     | Désignation          | Form                              | Solidus/Liquidus | Density g/cm <sup>3</sup> | Brinell hardness | Expansion in %* | Packaging |
|----------|----------------------|-----------------------------------|------------------|---------------------------|------------------|-----------------|-----------|
| FB047300 | CERROLOW® 47°C alloy | Small marked ingot<br>Around 1 kg | Eutectic<br>47°C | 8,9                       | 12               | +0,05<br>-0,02* | Bulk/Box  |
| FB070300 | CERROLOW® 57°C alloy | Small marked ingot<br>Around 1 kg | Eutectic<br>57°C | 8,57                      | 14               | +0,3<br>-0,02*  | Bulk/Box  |

\*after 2m.500h.

## → COMPLEMENTARY ACCESSORIES

- Ladle
- Centrifugal skimmer
- Thermometer





# Our strenghts

## The pledge to benefit from:

- Business continuity of the service
- Flexibility of a family-owned company
- Manufacturing on request
- An unequalled trade knowledge based on an exhaustive bibliography
- High quality products
- Very fast delivery time
- Large available stock
- Professional and dedicated staff

## The choice of trust and take advantage of:

- Our registered training center
- An all inclusive service inside our group and within our companies
- Advices and experiences adapted to any uses : bending, die, mould, indentation, anchorage, setting, radiotherapy protection,...



→ **Feel free to contact us** if you have any questions!  
We're always happy to help you find the right materials for your specific project

## METACONCEPT Group

- Pure metals and alloys – Filler metals for soldering  
Preforms and laminates – Fluxes – Consumables and equipments for centrifugal casting
- White metals recycling and recovering
- Test center and training organism (tribofinition, centrifugal casting, bearings) in Chaponost or on customer site.



For any further information, scan this QR code with your smartphone.



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