SYDOR

TECHNOLOGIES



BIOKINETICS BALLISTIC HEADING BLANKET WITH CLAY BACKING

COMPLEX MEASUREMENTS—CRITICAL RESULTS

FEATURES

- Controls temperature control over clay backing
- Exhibits control over front and rear surfaces
- Easy installation and removal with velcro flaps

ABOUT THE BIOKINETICS BALLISTIC HEADING BLANKET WITH CLAY BACKING

Ballistic testing of body armour to the NIJ and military standards must meet the stringent compliance requirements of the clay backing. Compliance is typically achieved by elevating the clay's temperature to within a high tolerance both across the test area and through its thickness. Convection ovens are commonly used to condition the clay but are bulky, exhibit temperature gradients, and make manipulation of the clay blocks difficult.

Biokinetics' clay backing heating blanket provides accurate control of the clay's temperature over the entire front and rear surfaces. The individual blankets allow the compliance of each block to be controlled, whether on a storage table or at the target site. The heating blankets are easily installed and removed by means of Velcro® flaps on both ends.

PRODUCT SPECIFICATIONS

Blanket Specifications

- Range of Temperature: 0°C to 80°C
- Digital Temperature Resolution: 1°C
- Insulation: 2 mm of fiberglass and covered with a durable exterior fabric and integrated thermocouple
- Size: Manufactured to fit any size block

Thermocouple and Heating Controller Specifications

- Voltage: 120 VAC
- Current: 15 A maximum
- Power: 1000 Watts
- Digital Controller: Temperature is set by a key pad
- Design: Portable unit with 2 m long cables with power switch, power light and fuse. Controller has a hook on the back side for mounting in a safe and secure location

Biokinetics

Sydor Technologies is a proud distributor for Biokinetics

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