



HT Eko-Therm™ Jacket

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Our *HT Eko-Therm™ Jackets* are specially designed for applications ranging in temperature from 500°F to 1000°F. These removable jackets not only offer excellent conductive heat insulation they are designed with our unique *Eko-Therm™* covering to provide outstanding resistance from radiant heat sources. Worbo's design and fabrication team provides removable jackets that ensure precise fitting to allow for elbows, valves, hanging brackets, controls, clamps, flanges etc. to guarantee maximum protection from heat loss.

Worbo Technology

- *HT Jackets* are typically constructed in 3 layers to provide maximum insulation properties to meet or exceed maximum temperature requirements.
- Layer 1 (Outer) - Constructed from our *Eko-Therm™* blanket, this protective aluminized cover provides excellent abrasion resistance and its unique reflective properties will "Eko" up to 90% of external heat sources away from the insulated equipment.
- Layer 2 (Middle) – Typically constructed from our *Insulmat™* insulation medium consisting of needled fiberglass composed of 100% E type glass fibres. Depending on the application requirements this layer is typically 1" thick but may vary.
- Layer 3 (Inner) – Depending on temperature requirements the inner layer encapsulating the insulation medium may be constructed from either Worbo's HTB or our *Eko-Therm* blanket.
- Worbo offers a wide variety of closures and fasteners to facilitate easy removal and re-installation of the *HT Eko-Therm™ Jacket*. These fasteners include grommets with lacing wire, D-ring straps, ¼ turn fasteners, hook and loop (Velcro®), snaps, zippers, etc.

Dimensional Data

Available in virtually any size and dimension.

Temperature

Rated for 500°F (260°C) to 1000°F (538°C) continuous.

Environmental Resistance

Excellent resistance to ozone, oxidization, UV, corona, cosmic radiation, ionising radiation and weathering in general.

Flammability

1.0 second flame resistance after flame – ASTM D6413 13 mm char length – ASTM D6413

Radiation Reflectivity

15 seconds – MIL-C-24929A



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