

## Cool-Skin™ Blanket

Designed to drastically reduce high surface temperatures to a safe touch condition, *Cool-Skin™* is an ideal safety solution for a variety of high temperature applications. *Cool-Skin™* Blanket is an excellent product for protecting large areas including cylindrical, rectangular or irregular shaped tanks, large diameter pipes, valves and other equipment.

- Cool-Skin™ Technology**
- ✦ Leading the way in user friendly thermal safety protection, Worbo's *Cool-Skin™* products are manufactured using flexible, clean, non-fibrous materials that do not contain fiberglass or release airborne particulates. Perfect for use in a variety of environments from heavy industrial applications to clean-room and laboratory settings.
  - ✦ *Cool-Skin™* Blanket is supplied with a "peel and stick" sacrificial PSA (pressure sensitive adhesive) on one side for easy installation.
  - ✦ *Cool-Skin™* Blanket can be used in multiple layers or in conjunction with other materials to achieve the desired degree of protection to meet your criteria.
  - ✦ Unlike traditional dated technologies that use glass as the insulating medium, *Cool-Skin™* Blanket is easily cut to length in the field using an ordinary pair of scissors without "end fray" or releasing irritable fiber particulates.
  - ✦ *Cool-Skin™* Blanket is resistant to moisture, UV, corona, ozone, oxidation, cosmic radiation, ionizing radiation, chemicals, etc. and exhibits considerable overall durability in a variety of environments.

**Dimensional Data** Available in standard 33ft (10m) continuous length rolls; 1/4" (6mm) thick x 39.37" (1000mm).  
Other sizes can be manufactured to your specification.

**Temperature** Rated from -112°F (-80°C) to 446°F (230°C) continuous.

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

**Flammability** Meet the flammability requirements of FAR 25.853 (a) (1) (IV) and (a) (1) (v) horizontal flammability tests.

**Thermal Conductivity**  $6.4 \times 10^{-2} \text{ W} \cdot \text{m}^{-1} \cdot \text{K}^{-1}$

**Radiation Resistance**  $> 10^5$  Grays ( $10^7$  Rads) Typical

**Dielectric Strength**  $23 \text{ kV} \cdot \text{mm}^{-1}$

**Volume Resistivity**  $3 \times 10^{15} \Omega \cdot \text{cm}$

**Density** 250 +/- 40 kg/mtr<sup>3</sup>

**Compression Stress** 90kPa

**40% Strain**

**Tensile Strength**  $1.2 \text{ N/mm}^2$

**Elongation to failure** 200%

