



THERMAL BLANKETS ESSENTIALS: PART 2

DESIGNED TO FIT YOUR MACHINES LIKE A GLOVE

SEE PART 3 FOR A HEAT-CRITICAL STRATEGY

Don't compromise the integrity of your fleet by using sub-standard or inferior thermal insulation blankets (lagging). High-quality blankets reduce the surface temperature of engine components to reduce fire risk. Aletek blankets are tailor-made for mobile equipment like trucks, dozers, excavators, graders and loaders.

GIVE YOUR FLEET THE EDGE

WHAT ARE THERMAL BLANKETS?

Thermal blankets provide a physical barrier between heat-critical engine parts and flammable liquids. Aletek blankets consist of four function-specific layers. The layers from top to bottom are a grey silica-coated outer, silica insulation, silica cloth, and a stainless-steel mesh. These blanket layers create a product that is impermeable, flexible, durable, and capable of withstanding 1000°C temperatures. Non-itch silica is used and it won't go brittle. Aletek use quick-fit springs with keyrings for easy installation and maintenance access.

WHY USE BLANKETS ON MOBILE EQUIPMENT?

Blankets create a barrier between extreme-heated engine parts and fire hazards such as fuel and coolant. Aletek blankets are impermeable (when installed correctly), so fuel or oils cannot reach heat sources. Cool-down times are typically long, and servicing is unsafe if rushed. Blankets reduce outer-surface temperatures on heat-critical components like turbos, manifolds and engine pipes, for safer maintenance access. Thermal blankets can help shield high voltage lines from contacting hot exhaust surfaces for assets like the Komatsu 830E-AC.

FIT FOR PURPOSE AND PURPOSED FOR FIT

Aletek blankets are tailor-made for a snug fit and maintenance access (e.g. fuel lines and inspection points). Our blankets utilise a fish-scale design with overlapping pieces that account for gravity. This allows liquids and debris to run-off blankets and minimises seepage and ignition potential in adjoining areas.

Aletek blankets use a lobster-back design with fewer parts for less install errors. We install sewn collars on inter-part connections (e.g. manifold to turbo) to eliminate ignition sources. Our blankets have no sharp internal foil or outer mesh.



Tailor-made for a snug fit



Non-itch silica insulation



Quick-fit springs



Essential for fire mitigation



Australian made

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