

Charge Air Hose Burn Protection

The Challenge:

ATAAC are charge air hoses that operate at very high temperatures. In this heavy equipment manufacturing plant employees often find themselves in close proximity to these hoses. A protection system was required to protect workers from thermal burns and to prevent injury from the SS wires sticking up from the worn braided flexible metal hoses.



The Worbo Solution:

To offer both thermal protection and puncture resistance, a custom 3 layer sleeve was designed and installed. The sleeve construction consisted of a low compression hybrid closed cell silicone sponge sandwiched between a needle punched puncture resistance Kevlar® on the hot face and our Eko-Therm™ aluminized Kevlar on outer cold face. A high temperature Velcro® type enclosure was incorporated into the design to facilitate easy installation and removal of this customized thermal solution.

