

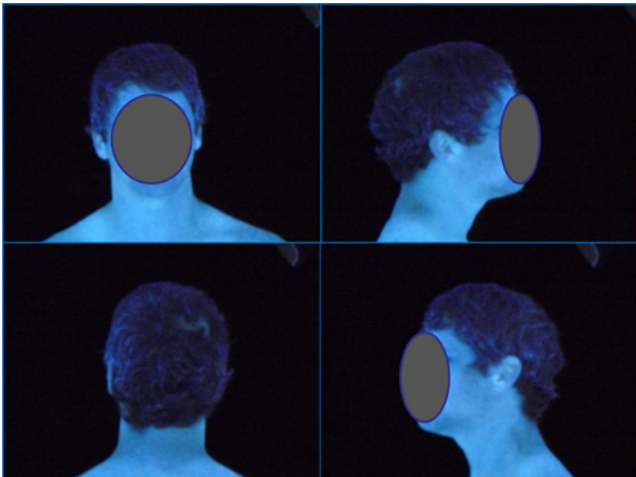
H41 FIRE HOODS-FIREDEX

The Need for a Particle Barrier

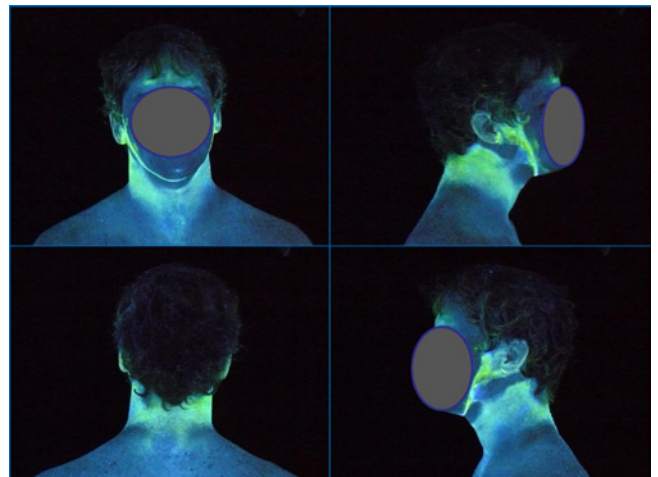
The H41 Interceptor™ with Nomex® Nano Flex was designed to keep potentially carcinogenic particulates and other harmful contaminants off of firefighters' jaws, faces, and necks; areas identified as highly absorptive and more permeable than other areas of skin(1), and are likely not getting enough protection from hazardous particles with the FR knit hood technology that is currently available(2).

With the evidence presented in the Firefighter Cancer Support Network Report - that soot and smoke particles readily absorb and hold liquid and gaseous chemicals (such as the carcinogens and toxins shown to be released in modern house fires), that these "ultrafine particles... [are] absorbed through the skin traveling to most organs including the brain"(1), and knowing that firefighters have a "significantly increased risk... for a number of cancers"(1) - it's becoming apparent that our first responders need to be protecting their skin from soot and smoke, just as much as their lungs.

The FAST Test Report demonstrated that particles at 2.5 micron size penetrated the standard FR knit hood (soot and smoke particles are usually 1 micron or less) and left a concentrated, heavy deposit on the subject's neck, cheeks, ears and jaw(2). The images on this page are from that study.



BEFORE (Pre-Test Blacklight Photos) (2)



AFTER (Post-Aerosol Particulate Exposure) (2)