



fireforensics
SOLVING THE PUZZLE OF FIRE

Personal Injury Caused By Thermal Exposure

Capability Statement

We at Fire Forensics are leading experts in fire and explosion investigation in Australia and abroad, and have offered our clients thorough and impartial fire investigation services for over 40 years.

Our team of qualified and experienced specialists solve the puzzle of fire, providing an overall understanding of a fire or explosion event from the ignition through to the spread and development. We break down *where*, *how* and *why* a fire started, what fuel and ignition source was involved, how the fire spread through the structure or machinery, and ultimately where the responsibility lies.

We uncover the cause and establish the truth of the incident, identifying whether the fire was started accidentally or deliberately. We're with you every step of the way, and can provide expert witness testimony and evidence in court where required, as well as expert findings on individual or corporate responsibility, legal liability, compliance with legislation and standards, and many other factors required by our clients.

Our professional and prompt system of investigation and reporting sets us apart in the industry, and we take pride in our exemplary standards of client services and scientific techniques. We aim to provide our clients with a comprehensive yet easy to understand report that explains the unique set of conditions at the scene that led to the fire at hand. Through our thorough investigations, we uncover all available evidence to determine who is responsible or may be financially liable.

Our investigations in to personal injury as a result of thermal exposure relate to both victims and suspects involved or affected by a fire or explosion. Our thorough methods of investigation assess burning and other heat damage to clothing, skin and hair, which determines the direction travel, the orientation of the person during the fire, and their duration of exposure. Flamewash is transient fire exposure caused by vapour and gas ignitions, and identifying this exposure assists us in establishing the truth of a fire incident. We use microscopy and other scientific investigation techniques to identify cases of flamewash damage, which is often invisible to the naked eye.

We gather and use all available evidence from the scene, including the position of injured or deceased people or persons after a fire, biomechanical (human movement) considerations, witness accounts, and more, to create a report to establish the source and explain the sequence of events in a fire incident.



OUR REPORTING MAY HELP TO:

- Confirm or refute different versions of events
- Differentiate between accident, suicide and homicide
- Establish if there is a link between a suspect and the incident
- Assist in cause of death determination.

We pride ourselves on our ability to communicate complex technical concepts into easy to understand event sequences for our clients and their staff, and ultimately judges and juries. Working thoroughly, lawfully and professionally, we are committed to solving the puzzle of fire for our clients with the *highest* levels of personal, legal and corporate integrity.

Please contact us at office@fireforensics.com.au or go to www.fireforensics.com.au for more information on our services.

