

Module 30

Fire Smoke & Odour Decontamination

This course is designed to provide the delegate with the basic knowledge to undertake the cleaning and sanitation of a fire damaged building and its content.

The course identifies the different types of fire, smoke and soot residue and their corrosive and odorous effects together with the different decontamination and restoration procedures.

Syllabus

Health & Safety issues

- PPE
- Asbestos at the scene
- MSDS and COSHH

Physics of fire

- Types of fire
- Types of soot residue
- Chlorides and corrosion
- Measurement of chloride
- Measurement of soot and contamination
- Laminar and turbulent air dispersion
- Soot logging and adsorption
- Interstitial movement
- Soot drop out

Stages of restoration

- Triage
- Movement and storage
- Protection and controls
- Standards and compliance testing

Cleaning procedures

- Chemical use
- Foaming agents
- De foaming agents
- Steam
- Steam and power jetting
- Non abrasive cleaning
- Abrasive techniques
- Power vac jetting
- Solvent
- Ultrasonic

- Immersion and drying

Types of cleaning

- IT and electronic equipment
- Carpets
- Clothing
- Soft furnishings
- Hard surfaces
- Porous surfaces
- Wall and vertical cleaning
- Ceiling and horizontal cleaning

Odour control

- Source removal
- Masking agents
- Ozone use and safety
- Pairing agents
- Oxidisation
- Tenting
- Bake out

Redecoration

- Neutralising surfaces
- Bleed through
- Stain blocking
- Types of paint

Job closure

- Client satisfaction
- Dealing with complaints
- Testing and comparison
- Lab testing