

Module 31

Water Damage drying & measurement

This course is designed to meet the need of the new entrant into the building drying industry. It provides the basic information on water damage and the techniques to mitigate or control the effects. Measurement is seen as a prime part of water damage restoration as it is used both as a standard and control factor.

Introduction

- Health & Safety
- Site safety

Asbestos

- Types
- Conditions
- Presence

International standards of restoration

- Types of water damage
- S500 & S520
- Clear
- Grey
- Black

Health issues of water damage

- Mould
- Bacteria and viral contamination
- Chemical contamination
- PPE

Classification of water damage

- Primary damage
- Secondary damage

Drying requirements

- Temperature gradients
- Air movement
- Evaporation
- Advection

Utilising air movement

- Placement and installation of air movers

Scope of works

- Triage
- Initial damage
- Developing damage
- Mitigation controls
- Scope drift

Sanitation

- Efficacy
- Types of biocide
- Benefits and shortfalls

Measurement

- Measurement of moisture and water content
- Relative humidity
- Specific humidity
- Psychometrics
- Types of measuring instruments
- Drying goals
- Monitoring
- Records and data storage

Water collection and removal

- Collection techniques
- Removal techniques
- Extraction procedures

Drying systems

- Open drying
- Closed drying
- Section drying
- Refrigerant systems
- Desiccant systems
- Vacuum systems
- Air injection systems
- Condensation systems and trunking
- Wet systems

Standards of drying

- WME and comparisons

- Concrete
- Wood
- Plaster
- Air and ambient

Liabilities

- Audit and inspection
- Long tail claim potential