

Module 22 Water Damage & Measurement

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This module 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. It must be stressed that this is an introduction module only.

1. Introduction

- Health & Safety
- Site safety

2. Asbestos

- Types
- Conditions
- Presence

3. International standards of restoration

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

4. Health issues of water damage

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

5. Classification of water damage

- Primary damage
- Secondary damage

6. Drying requirements

- Temperature gradients
- Air movement
- Evaporation
- Advection

7. Utilising air movement

- Placement and installation of air movers

8. Types of equipment

- Extraction equipment
- Desiccant dehumidifiers
- Refrigerant dehumidifiers
- Air movers

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9. Initial steps

- Free water removal
- Extraction
- Drying goals
- Sanitation
- Drying certification

10. Measurement

- Use of moisture meters
- 3 dimensional measurement
- Records
- Use of calcium carbide
- British Standards

11. Psychrometry

- Why is Psychrometry important?
- Why isn't it a standalone tool
- Using graphs
- Analysing results
- Interpretation