



Case History

Orthodontist in Cardiff suffer slow leak

A Cardiff dental practice suffered an internal water leak over prolonged period of time, with physical evidence of moisture penetration above floor level there was mould growth and water staining to internal partition walls, Rainbow Cardiff were asked to attend to inspect damage and report on what was required. A moisture survey throughout the ground floor was carried out and a report put together of how to best get the property back to pre-incident condition.

Areas of safety flooring were uplifted in surgeries and areas prepped to expose sub floor.

Due to insulation laid under screed, holes were drilled throughout all floor areas followed by insertion of deep floor probes to enable measuring of deep level screed and insulation. Levels of 97%-100% WME were recorded throughout all areas.

Due to the construction of the floor the most beneficial way of drying was to use injection drying method. This incorporates desiccant dehumidifiers with an in-built high static pressure air mover. By attaching 25mm pipes to the air mover outlet the air movement can be 'injected' through the concrete.

6 inlet holes were then drilled through the concrete for each dehumidifier, the holes were drilled evenly over the floor area maximising the drying efficiency. In addition, a number of 'outlet' holes were drilled to allow air to escape.

Key Facts

Service

Water damage

Location

Cardiff

Services Employed

Injection Drying



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