



Masonry Absorption Test Kit

Guidelines for use

The Aquadry Masonry Absorption Test Kit provides all the basic equipment required to test a masonry wall for absorbency and suitability for use with Aquadry Masonry Protection Cream



Masonry Absorption Test Kit

The **Aquadry Masonry Absorption Test Kit** provides all the basic equipment for measuring masonry absorption and suitability for use with **Aquadry Masonry Protection Cream**. Using **Aquadry Gauges** (similar to a Karsten tube or Rilem tube), masonry permeability can be measured before the application of **Aquadry** and one month after to demonstrate effectiveness.



1. 4 x **Aquadry Gauges** (also known as Karsten tubes or Rilem tubes).
2. Adhesive or sealant for affixing **Aquadry Gauges** to masonry surface.
3. Water bottle with nozzle.
4. Paintbrush for applying **Aquadry Masonry Protection Cream** to test areas.
5. Sample tube of **Aquadry Masonry Protection Cream**.

The test kit includes:

The brush and sample **Aquadry** cream can be used to demonstrate the compatibility of **Aquadry** with the substrate to be treated, in a small test area. Refills and replacements of individual components of the kit are available.

Aquadry Gauge

The **Aquadry Gauge** can be used to measure water penetration into masonry. It can be particularly useful for simulating the effect of wind-driven rain.

Wind-driven rain can cause dampness problems in buildings. This occurs because the combined effect of rain and wind is to apply a pressure which forces rainwater to pass through porous or defective masonry.

The **Aquadry Gauge** is designed to measure the rain penetration potential of masonry. Calculation of the pressures applied shows that when the tube is filled to the zero mark, the pressure equates to that applied by wind driven rain with a wind-speed of 98mph.



Instructions for use

1. Peel back the release paper from the adhesive, and roll between hands. A length of approximately 10 cm (4") is required to create a complete seal around the flange on the Gauge.
2. Ensure the flange of the **Aquadry Gauge** is clean and dry, and then apply adhesive. Complete an 'O' ring of adhesive, ensuring there are no air gaps.
3. Press the **Aquadry Gauge** firmly onto the masonry to be tested. Ensure the Gauge is upright, and a good seal has been made with the masonry. It can be affixed to brick, over a mortar line, or to stonework.
4. Fill the Gauge slowly with water until the water level reaches the zero mark on the **Aquadry Gauge**.
5. Start timing as soon as the gauge is filled. Keep a check on the water level to see if it drops. For highly absorbent surfaces this will be easily apparent within a few minutes.
6. A number of **Aquadry Gauges** can be applied to a section of wall to identify paths of water ingress.
7. Continue to monitor the water level at regular intervals - preferably for at least one hour. The results can be plotted on a graph using the template overleaf.

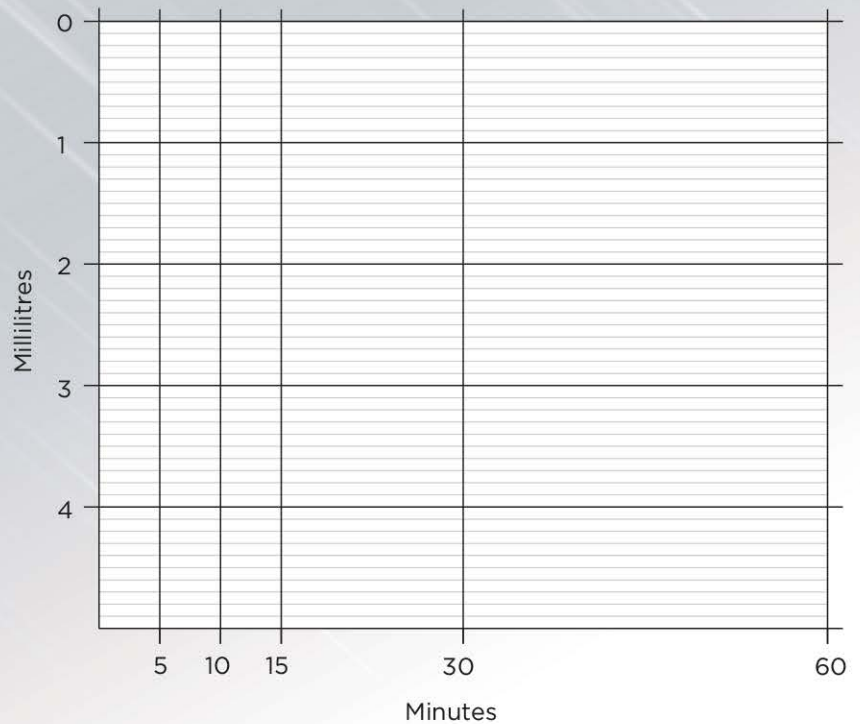


Recording the results

These results can be used to identify routes of high water ingress – e.g. porous materials, cracks in masonry, cracks in the interface between bricks and mortar bed, etc. Example water ingress graphs for common masonry materials can be found on aqua-dry.co.uk

Address of property:

Test location:



AG/2/2017

All products sold by Biokil Crown Ltd are of high quality. The Company however cannot govern the conditions of usage and application of its products and any warrant written or implied covers materials only. The information contained in this leaflet is given in good faith but no liability can be assumed by the Company for any damage, loss or injury or patent infringement arising from its use.



Biokil Crown Ltd
Unit 31, Hilton Industrial Estate
Sutton Lane, Hilton
Derbyshire DE65 5FE

t: 0115 946 0060
f: 0115 946 9767
e: sales@biokilcrown.co.uk
biokilcrown.co.uk

Aquadry[®]

aqua-dry.co.uk



Aquadry is a [®] trademark of Biokil Crown Ltd