

GUIDELINES for use



Stormdry Masonry Absorption Test Kit

Stormdry Masonry Absorption Test Kit

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

The test kit includes:

- Mastic adhesive or sealant for affixing Stormdry Gauges to masonry surface
- 4 x Stormdry Gauges (also known as Karsten tubes or Rilem tubes)
- Water bottle with nozzle
- Paintbrush for applying Stormdry Masonry Protection Cream to test areas
- Sample tube of Stormdry Masonry Protection Cream



The brush and sample Stormdry cream can be used to demonstrate the compatibility of Stormdry with the substrate to be treated, in a small test area.

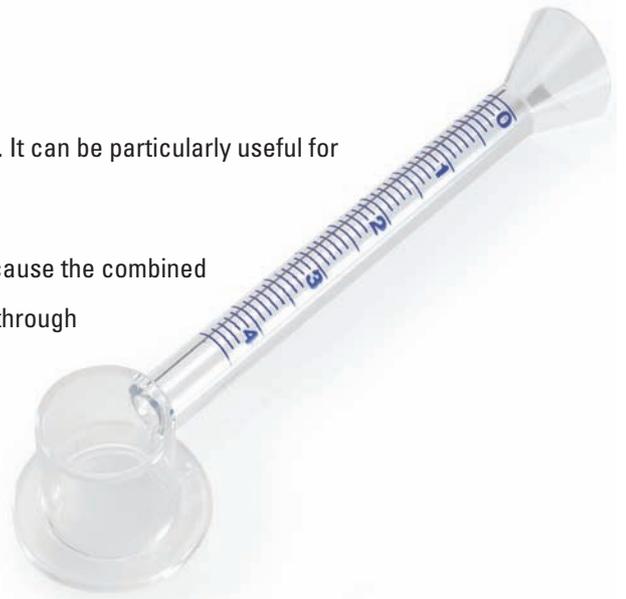
Refills and replacements of individual components of the kit are available.

Stormdry Gauge

The Stormdry 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 Stormdry 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 using Stormdry Gauges



Peel back the release paper from the mastic adhesive, and roll between hands. A length of approximately 10cm (4") is required to create a complete seal around the flange on the Gauge.



Ensure the flange of the Stormdry Gauge is clean and dry, and then apply mastic adhesive. Complete an "O" ring of adhesive, ensuring there are no air gaps.



Press the Stormdry 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.



Fill the Gauge slowly with water until the water level reaches the zero mark on the Stormdry Gauge.



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.



A number of Stormdry Gauges can be applied to a section of wall to identify paths of water ingress.



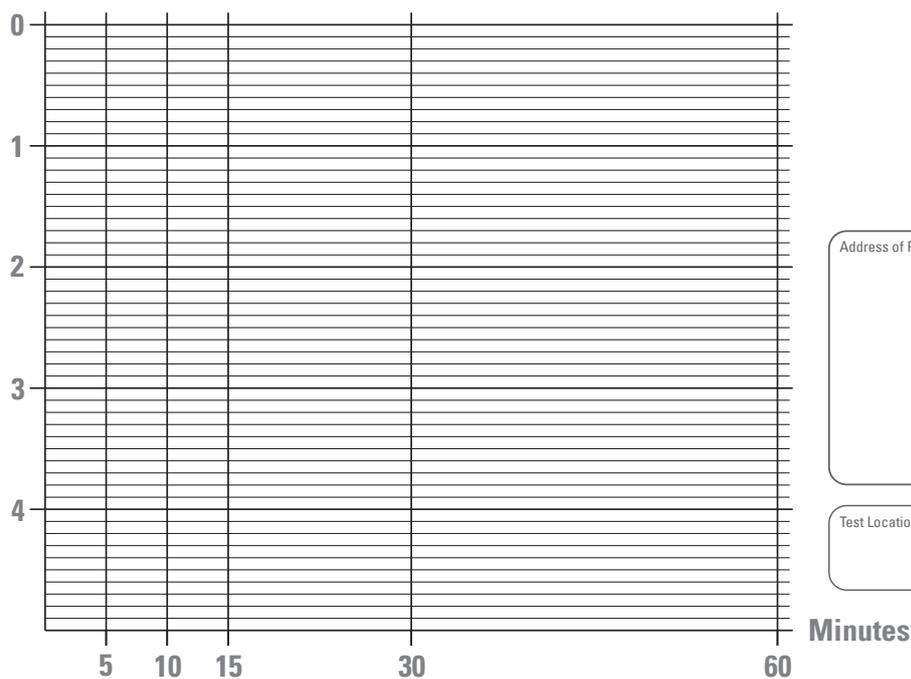
Continue to monitor the water level at regular intervals - preferably for at least one hour. The results can be plotted on a graph using the template overleaf.

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 the Stormdry website: www.stormdry.com

Stormdry Masonry Absorption Test



Safeguard Europe Ltd.

Redkiln Close,
Horsham, West Sussex.
United Kingdom. RH13 5QL

Telephone: 01403 210204 Fax: 01403 217529

Email: info@safeguardeurope.com

www.safeguardeurope.com

www.stormdry.com