

STORM DRY®

MASONRY PROTECTION CREAM



SURFASOLOGY



The Penetrating Damp Solution

WATERPROOFS MASONRY FOR 25 YEARS

VERIFIED BY ENERGY SAVING TRUST

BBA APPROVED

Distributor of STORM DRY® in Ireland.

What is Stormdry®?

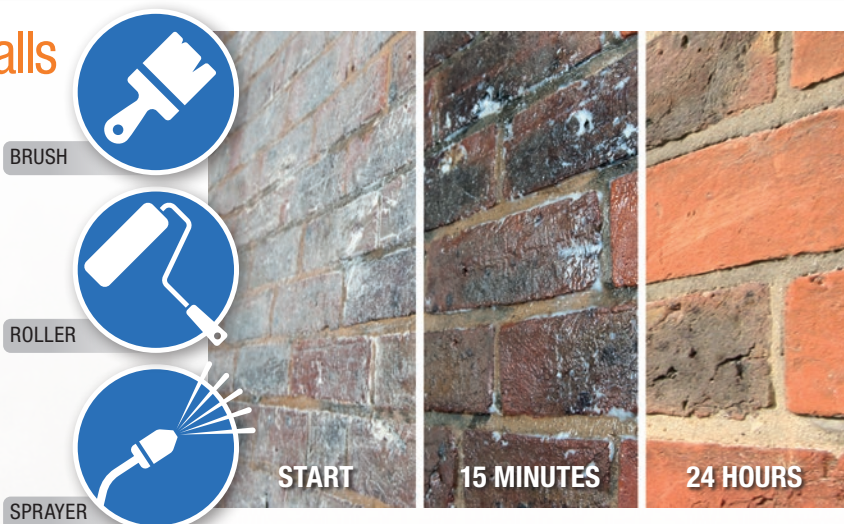
Stormdry® Waterproofs Walls

Stormdry® Masonry Protection Cream

is a silane-siloxane cream emulsion. It is applied to brick, stone, render and masonry walls using a brush, roller or airless sprayer.

Once applied, the cream will absorb into and bond with the building materials, making them waterproof without changing their appearance.

The treated wall is still vapour-permeable, meaning damp walls can dry out and buildings are able to breathe.



Why Use Stormdry®?

Building materials such as brick, stone and mortar can be highly water-absorbent and exposure to wind-driven rain can lead to rain penetration.

Rain penetration on masonry can lead to damp patches, blistering paint, an increased likelihood of mould growth and an increased rate of heat loss.

A single coat of **Stormdry® Masonry Protection Cream** can protect walls from rain penetration for 25 years.

BBA Approved & EST Verified

Stormdry® Masonry Protection Cream is the only colourless masonry waterproofer on the market that is both approved by the British Board of Agrément and verified by the Energy Saving Trust.

The BBA confirms that **Stormdry®** will protect walls from the entry of moisture for at least 25 years with just a single-coat application.

Stormdry® Masonry Protection Cream has also been verified by the Energy Saving Trust.



The Benefits of Stormdry® Protection

Easier to Use and Longer Lasting Than Its Competitors

Only a single coat of **Stormdry® Masonry Protection Cream** needs to be applied in order to provide complete protection against rain penetration for 25 years. Competing treatments may require 2 – 3 coats and only last for 2 – 3 years.

Deeper Penetration to Bridge Hairline Cracks

Stormdry® Masonry Protection Cream penetrates up to 12 mm into masonry, compared to only 1 – 2 mm for traditional liquid waterproofers. This allows the cream to penetrate beyond the depth of hairline cracks and prevent water ingress far more effectively than competing products.

Shallow penetration means **less** protection

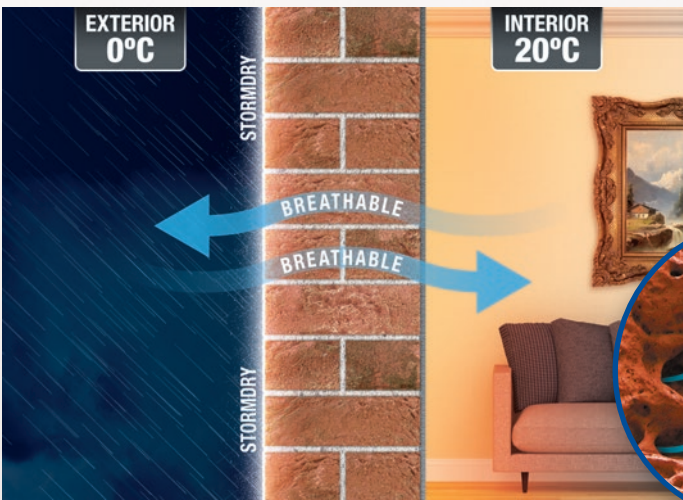


HAIRLINE CRACKS ARE UNPROTECTED, ALLOWING WATER INTO THE INTERIOR

Deeper penetration means **more** protection

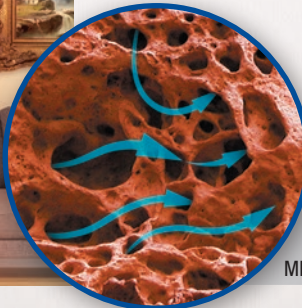


HAIRLINE CRACKS ARE PROTECTED, PREVENTING WATER SEEPING INTO THE INTERIOR



Allows Damp Walls to Dry Out

A **Stormdry®** treated wall is still breathable. It lines the pores of masonry materials, instead of blocking them. This means that even though the entry of liquid water is blocked, water vapour is able to freely pass through the wall, allowing any residual moisture to evaporate and the wall to dry out. This makes **Stormdry®** ideal for application in situations where it will aid the drying process, such as the protection of compromised cavity wall insulation.

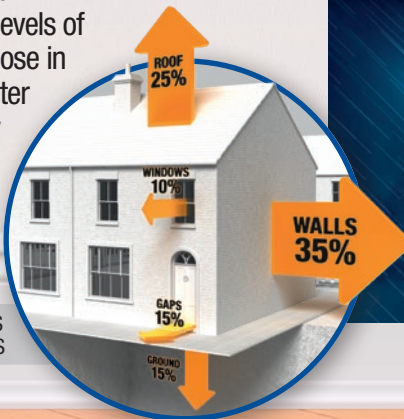


AIRFLOW THROUGH MICRO-PORES

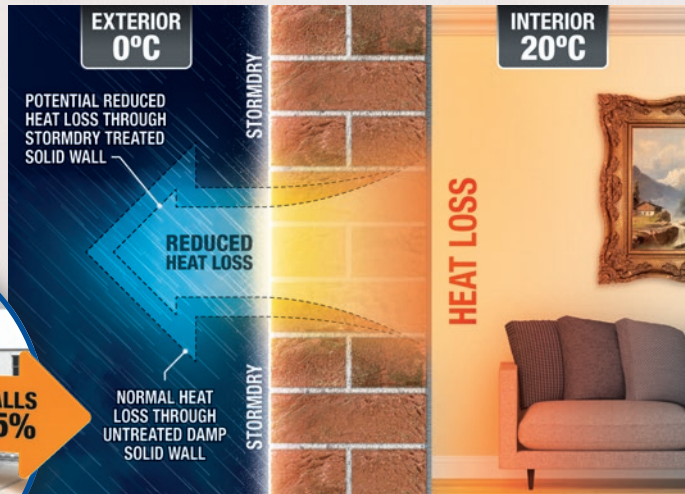
WATER VAPOUR RESISTANCE TESTED TO **BS EN ISO 7783:2011**

A Wet Wall is a Cold Wall

Stormdry® Masonry Protection Cream stops rain penetrating external walls, keeping them warm and dry. The Energy Saving Trust has granted **Stormdry®** verified status, as high levels of moisture in the masonry, such as those in exposed locations, will lose heat faster than dry walls. Keeping walls dry by applying **Stormdry®** will maximise their thermal performance.



TYPICAL HEAT-LOSS AREAS IN UK HOMES



Enhanced Protection

FD-Coat for Flood Defence

Stormdry® FD-Coat Flood Defence is a water-resistant coating that will enable walls to resist the entry and passage of water at heights of up to 0.6 metres. The clear finish and its semi-breathable properties make **Stormdry® FD-Coat** an ideal part of any flood defence system.

Stormdry® FD-Coat is designed to be used as part of the Safeguard Flood System and is an important component in both flood-resilience and flood-resistance specifications.



CB-Coat for Bridging Wider Cracks

Stormdry® CB-Coat Crack-Bridging Waterproofer is a clear resilient waterproof coating that provides enhanced protection on walls with networks of cracks of up to 0.6 mm in width.

To fix isolated cracks up to 10 mm in width, use **Stormdry® XR-Mortar**. The ready-mixed and quick-drying mortar is easily applied directly to cracks using a standard mastic gun.

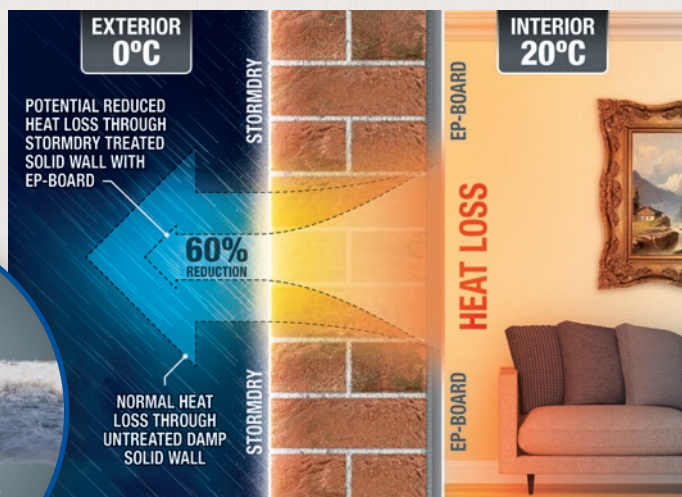


EP-Board Reduces Heat Loss

Stormdry® EP-Board is a highly-insulating plasterboard system for replastering internal walls. The advanced hybrid MgO/Aerogel boards are only 13 mm in width and yet provide a very high level of insulation. The combined application of both **Stormdry® Masonry Protection Cream** and **Stormdry® EP-Board** to a damp solid brick wall can reduce heat loss by 60% and lower the risk of interstitial condensation.



CROSS SECTION THROUGH EP-BOARD

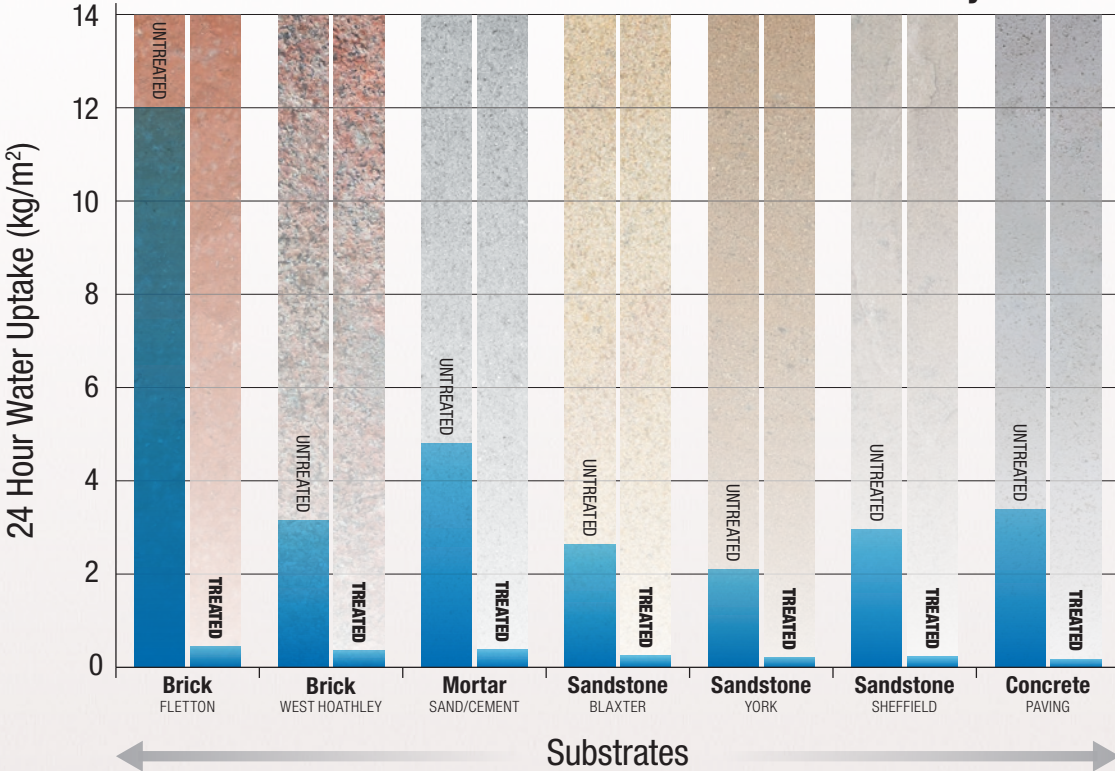


Proven Results

Tried and Tested on >50 Substrates

Stormdry® Masonry Protection Cream has been laboratory tested on a large range of different materials and has been proven to significantly reduce water absorption on more than 50 substrates. The graph below shows the reduction in water absorption rates, on common building materials, after treatment.

Graph Showing Water Uptake in Commonly Used Building Materials Before and After Treatment with Stormdry®



- OTHER MATERIALS TESTED WITH STORMDRY®**
- Brick Sand Lime
 - Limestone Portland
 - Granite Work top
 - 3:1 Hydrated Lime/Sharp
 - 3:1 NHL 2/Building
 - 3:1 NHL 3.5/Plastering
 - 3:1 NHL 3.5/Sharp
 - 3:1 NHL 3.5/Building
 - 3:1 NHL 3.5/Ballast
 - 3:1 NHL 5/Building
 - 4:1 NHL 2/Sharp
 - 4:1 NHL 5/Sharp
 - 6:1 Cement/Sharp
 - 6:1 Cement/Building
 - 6:1:1 NHL 3.5/Cement/Sharp
 - 6:1:1 NHL 3.5/Cement/Building
 - Vandersanden Zero Mangaan
 - Vandersanden (Quartis)
 - Terca Oud Latem
 - Terca Pastorale
 - Hurstwood Brick
 - Weber Pral M External Render
 - Laterite Brick (Ghana)
 - Glasgow Red Sandstone
 - Bullwell Stone
 - Jesmonite
 - Mud

Stormdry® Cream is not suitable for use on limestone and some types of lower density concrete, however suitable alternatives are available, such as **Raincheck LS**.

Used on over 25,000 Homes in the UK

Since its launch, more than 25,000 homes have been treated using **Stormdry® Masonry Protection Cream**. The different types of property that have been treated range from small domestic properties to large residential buildings and even commercial projects.

The easy application, proven results and industry accreditations are all part of the reason why the **Stormdry®** range has become so popular. The wealth of successful case studies available is testament to its high-performance.



Precautions

Read instructions and health and safety data sheet (available upon request) before use.

Guarantees

Call Safeguard on **01403 210204** for details of specialist contractors who offer guarantees on **Stormdry®** applications.

Further information

Full **Stormdry®** application instructions are available upon request, or can be downloaded free from our website:

www.safeguardeurope.com/stormdry



Smart Surface Solutions

Waterproofing and Damp Proofing Specialists

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