

STORM DRY®

MASONRY PROTECTION CREAM



UK
CA CE



The Penetrating Damp Solution

WATERPROOFS MASONRY FOR 25 YEARS • BBA APPROVED • UKCA & CE MARKED

 **SAFEGUARD®**

BUILT TO PROTECT

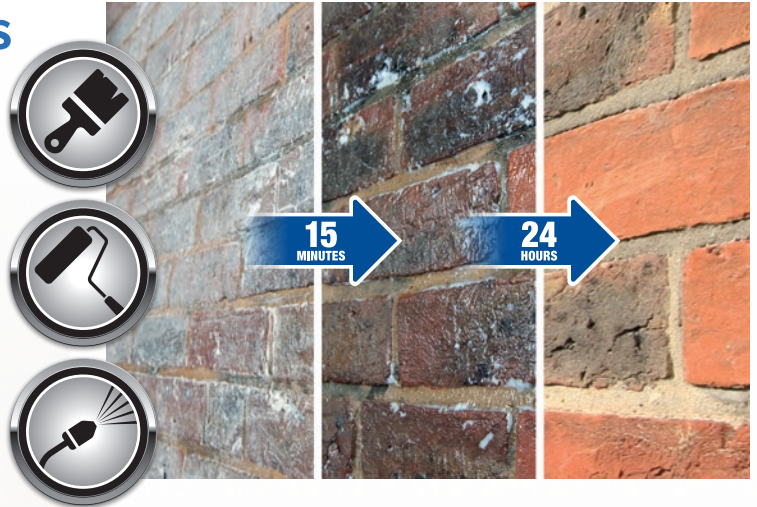
What is Stormdry® Cream?

Stormdry® Waterproofs Walls

Stormdry® Masonry Protection Cream is a silane-siloxane cream emulsion. It is applied to brick, stone, concrete, mortar, 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® Cream?

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® Cream** can protect walls and Internal Wall Insulation (IWI) from rain penetration for 25 years.



BBA Approved, UKCA and CE Marked

Stormdry® Cream is the only colourless masonry waterproofer on the market that is both approved by the British Board of Agrément and UKCA and CE marked.

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

Stormdry® Cream is suitable for use on concrete according to EN 1504-2:2004, achieving both UKCA and CE markings.



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 liquid treatments may require 2 – 3 coats and have a considerably shorter service life.

Deeper Penetration to Bridge Hairline Cracks

Stormdry® Masonry Protection Cream penetrates up to 12 mm into masonry. Traditional liquid waterproofers only reach around 1 – 2 mm in depth.

Stormdry® Cream diffuses beyond the depth of hairline cracks and prevents water ingress far more effectively than competing products.

Deeper penetration means **more** protection

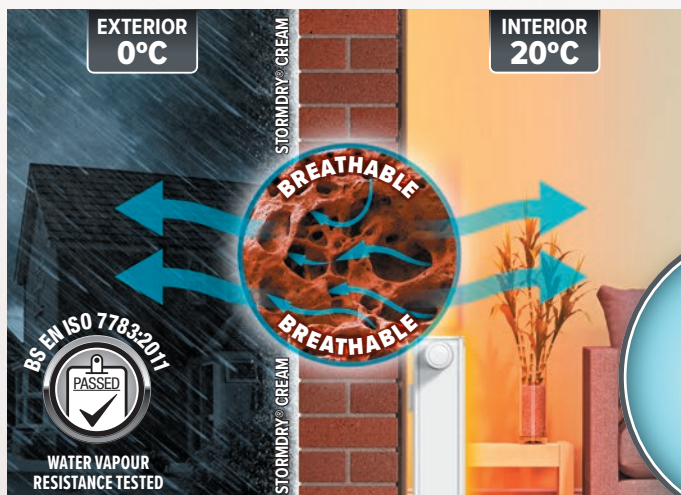


HAIRLINE CRACKS ARE PROTECTED, PREVENTING WATER SEEPING INTO THE INTERIOR

Shallow penetration means **less** protection



HAIRLINE CRACKS ARE UNPROTECTED, ALLOWING WATER TO SEEP INTO THE INTERIOR



Allows Damp Walls to Dry Out

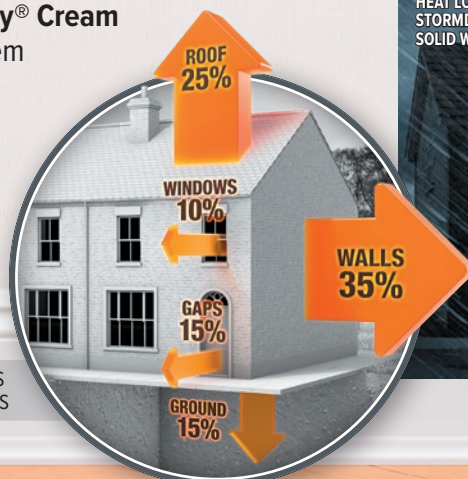
A **Stormdry® Cream** treated wall is still breathable. It lines the pores of masonry materials, instead of blocking them. Even though the entry of liquid water is prevented, water vapour can freely pass through the wall. Any residual moisture will evaporate, drying the wall out. This makes **Stormdry® Cream** ideal for application in situations where it will aid the drying process, such as the protection of compromised cavity wall insulation (CWI).



TEST SHOWING AIRFLOW THROUGH BRICK SAMPLE TREATED WITH STORMDRY® CREAM

A Wet Wall is a Cold Wall

A wet wall loses heat quicker than a dry wall. By stopping penetrating damp, **Stormdry® Cream** keeps walls dry, helping them to retain warmth. Applying **Stormdry® Cream** maximises thermal performance without altering the wall's appearance.



TYPICAL HEAT-LOSS AREAS IN UK HOMES

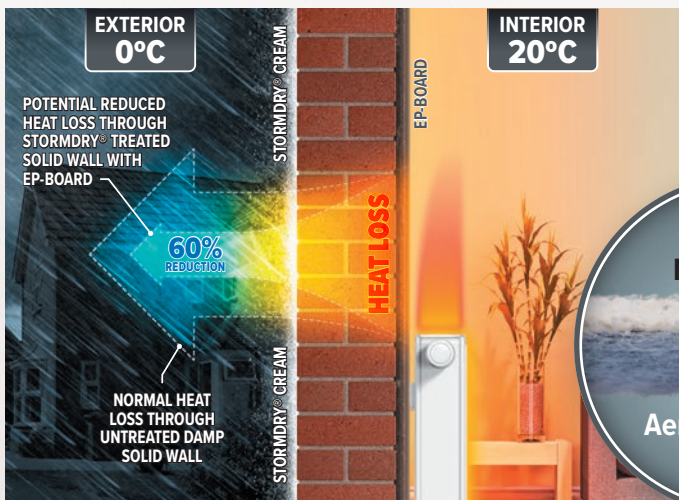


Enhanced Protection with Compatible Products

Stormdry® MAX for Enhanced Weather Protection

Stormdry® MAX Enhanced Waterproofing Barrier is a gel coating that provides lasting waterproofing, crack-bridging and anti-graffiti protection. Applied as an overcoat, **Stormdry® MAX** broadens the scope of **Stormdry® Cream** by bridging cracks up to 0.6 mm wide and will take up to 15 wash cycles to eliminate any graffiti applied to the surface coating. **Stormdry® MAX** can be reapplied, extending its lifetime and possible wash cycles. **Stormdry® MAX** also offers low-level flood resistance on masonry, concrete and stone substrates.

To fix isolated cracks in cement-based mortars and renders, up to 15 mm in width, use **Stormdry® XR-Mortar**. The ready-mixed filler is easily applied directly to cracks using a standard mastic gun. Adding **Stormdry® Repointing Additives No.1 or No.2** will enhance the workability and waterproofing qualities of standard repointing mortar.



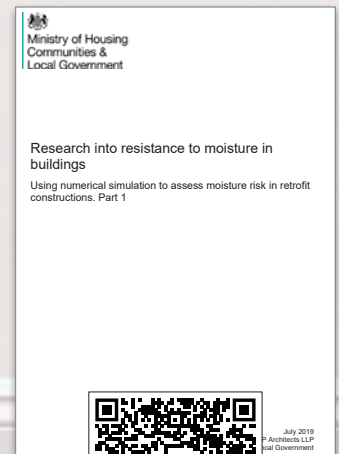
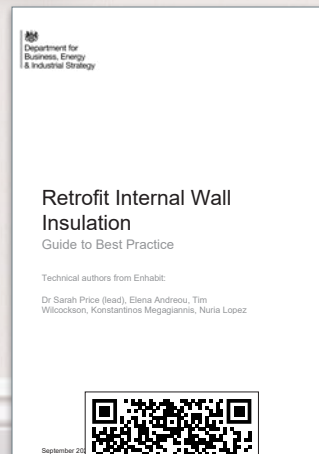
Stormdry® EP-Board Internal Wall Insulation Reduces Heat Loss

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® Cream** and **Stormdry® EP-Board** to a damp solid brick wall can reduce heat loss by 60% and lower the risk of interstitial condensation.

Energy Saving Retrofit

In 2019, the UK government made a commitment to reduce CO₂ emissions to net-zero by the year 2050. PAS 2035 states that all forms of insulation should be protected from moisture. Independent research has shown that internal wall insulation (IWI) and cavity wall insulation (CWI), in combination with a BBA-approved masonry cream like **Stormdry® Cream**, protects building fabric from moisture and maintains maximum thermal efficiency.

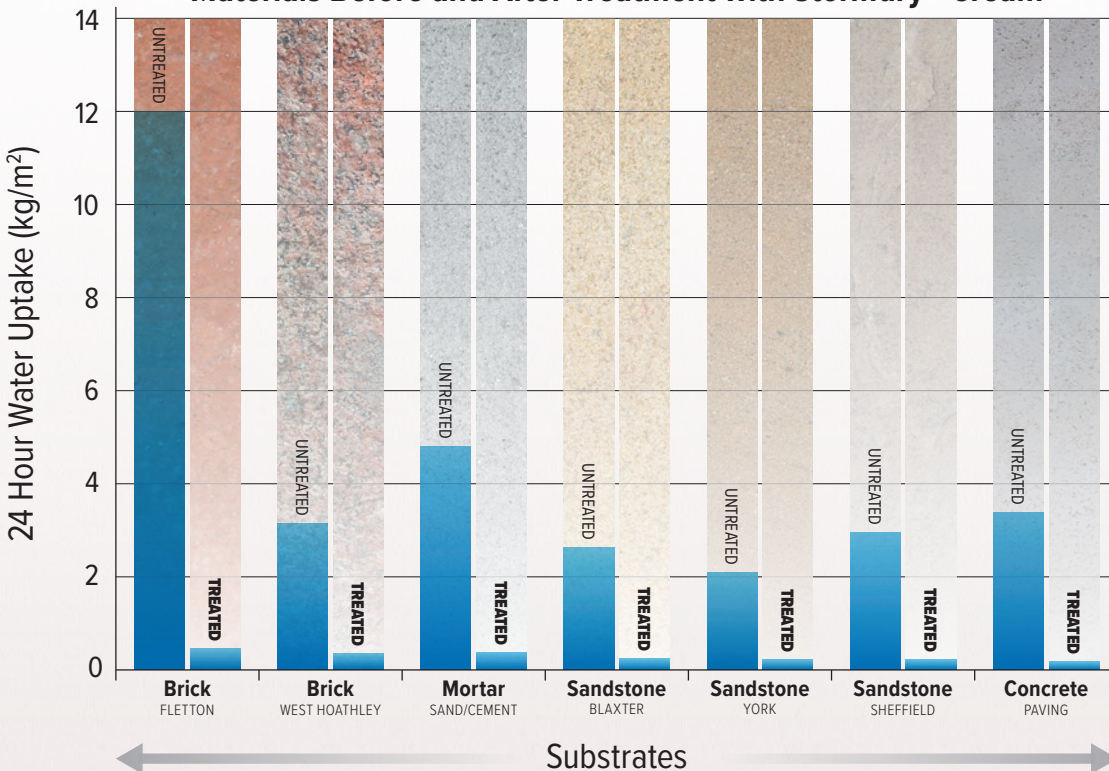


Proven Results

Tried and Tested on Over 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® Cream



OTHER MATERIALS TESTED WITH STORMDRY® CREAM

Brick Sand Lime
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 Mangan
Vandersanden (Quartis)
Terca Oud Latem
Terca Pastorale
Hurstwood Brick
Weber Pral M External Render
Laterite Brick (Ghana)
Glasgow Red Sandstone
Bullwell Stone
Jesmonite
Mud

LIMESTONE

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 60,000 Properties in the UK

Since its launch, **Stormdry® Masonry Protection Cream** has waterproofed the equivalent of 60,000* buildings. These 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.

* Based on an average coverage of 20 litres per home



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 and technical data sheet are available upon request, or can be downloaded free from our website:

www.safeguardeurope.com/stormdry



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