

## HOW DOES secoTHERM® WORK?

secoTHERM® chemically bonds to the substrate up to 17mm and is therefore extremely resistant to weathering and UV rays.



The protected surface repels water and microorganisms. Dirt finds it difficult to adhere, any particles are simply washed away by rain or just by mild cleaning. The building remains permeable to water vapor.

## BENEFITS OF secoTHERM®

- Improves the thermal efficiency of the masonry by keeping it dry
- Maintaining the thermal properties of cavity wall insulation
- Reduction in heat loss
- Offers a self cleaning surface
- Slow ageing or break down of surface
- Less susceptible to the growth of microorganisms.

Talk to our specialists:



Protect your masonry from penetrating damp and improve the thermal resistance of your exterior walls



## SUPERIOR TECHNOLOGY AND DURABILITY

secoTHERM® is developed to the highest standards and is the ultimate weather protection for masonry walls and bricks.

Water und UV degradation are key elements in the damage of masonry surfaces. secoTHERM® is completely unaffected by UV rays and creates a barrier against water ingress while the exterior wall surface remains permeable to water vapour.

Preventing water ingress through exterior walls and bricks reduces the thermal conductivity. Porous building materials such as natural stone, bricks, solid brick, etc. have good insulating properties because they have air-filled cavities.

*BUT ONLY WHEN THEY ARE DRY.*

## PROVEN PERFORMANCE

Water absorption can be minimized dramatically by treating with **secoTHERM®**. On a porous brick the water absorption will be reduced with more than 95%.

**secoTHERM®** has been tested to EN ISO 15148:2002, demonstrating its hygrothermal performance on concrete, mortar, brick, and sandstone.

The product penetrates deeply into the substrate and offers protection for more than 20 years.

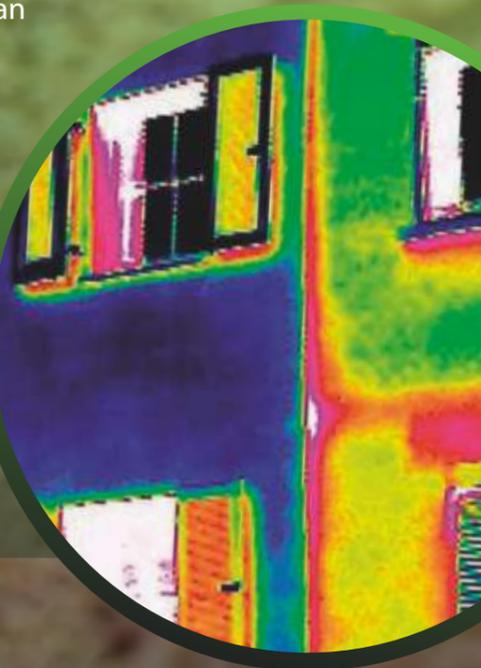
Biological growth and stains do not just look dirty but can also result in surface decay due to frost damage and can cause major humidity problems.

## DAMP WALLS ARE THERMAL BRIDGES

If moisture collects in the pores of the wall, more heat is transferred than would be possible if the cavities were filled with air. The thermal conductivity of the wall decreases enormously with dampness.

Tests have shown that a damp content of 5% in a plain brick wall, for example, can lower insulation performance by up to 50%. This is especially pertinent where cavity wall insulation has been installed because when the insulation is wet it loses its thermal value. Many house owners don't realise this fact.

**secoTHERM®** has been tested according to Danish Technological institute for its thermal properties and has been proven in test to reduce thermal conductivity.



**secoTHERM®** creates a self-cleaning surface that will protect against dirt, pollution, damp and UV light degradation.