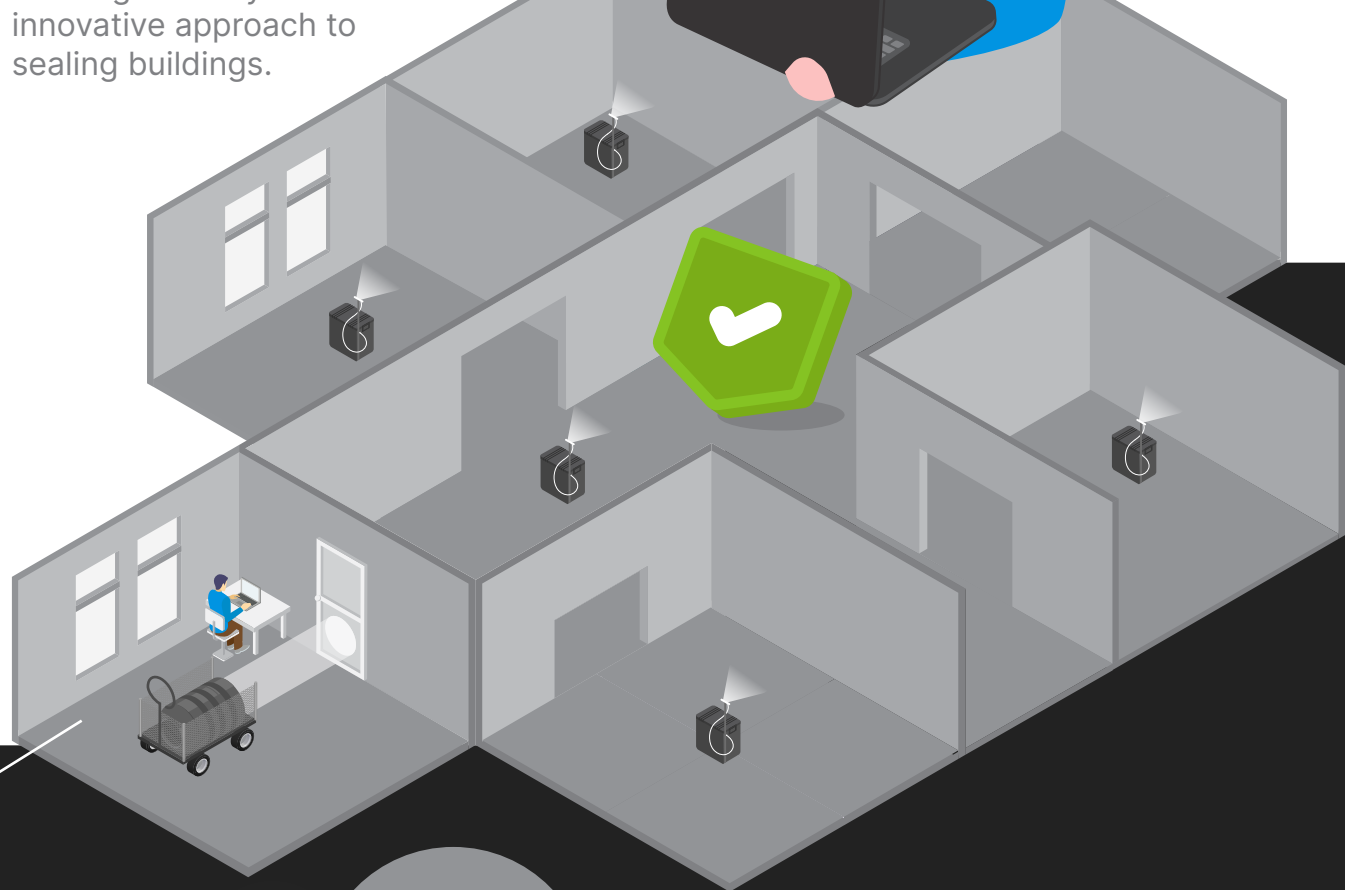


# AeroBarrier: A Comprehensive Guide to its Applications and Benefits

## What is AeroBarrier?

AeroBarrier is a revolutionary air sealing technology that aims to improve the energy efficiency and comfort of buildings. Developed by the company AeroSeal, AeroBarrier has been transforming the construction and building industry with its innovative approach to sealing buildings.



## How AeroBarrier Works

The science behind AeroBarrier is both fascinating and straightforward. The technology uses a water-based acrylic sealant that is atomized into aerosol particles. When pressurized air is introduced into a building, these particles move towards the leaks and seal them. The process of applying AeroBarrier involves several steps.

### #1

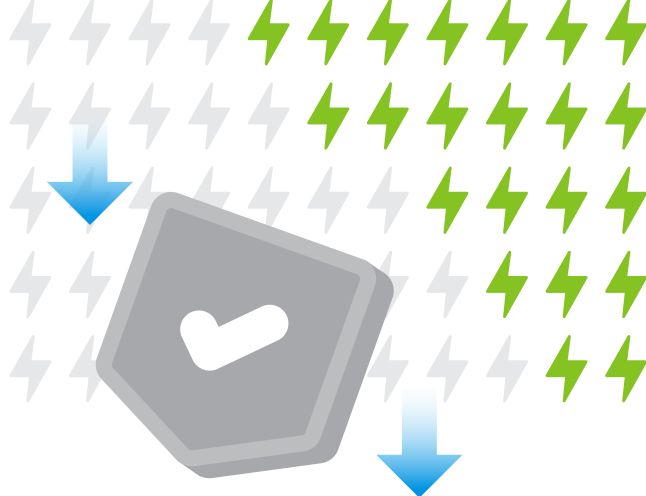
the building is pressurized using a blower door.



### #2

The AeroBarrier sealant is applied as an aerosol. As the sealant particles are carried towards the leaks by the pressurized air, they accumulate and seal the leaks. This process is monitored in real-time, allowing for precise control over the level of air tightness achieved.

The role of AeroBarrier in air sealing is significant. By effectively sealing a building's envelope, AeroBarrier helps to reduce energy loss, improve indoor air quality, and enhance the overall comfort of the building. This makes AeroBarrier a valuable tool in the pursuit of energy-efficient and sustainable construction.



## Benefits of Using AeroBarrier



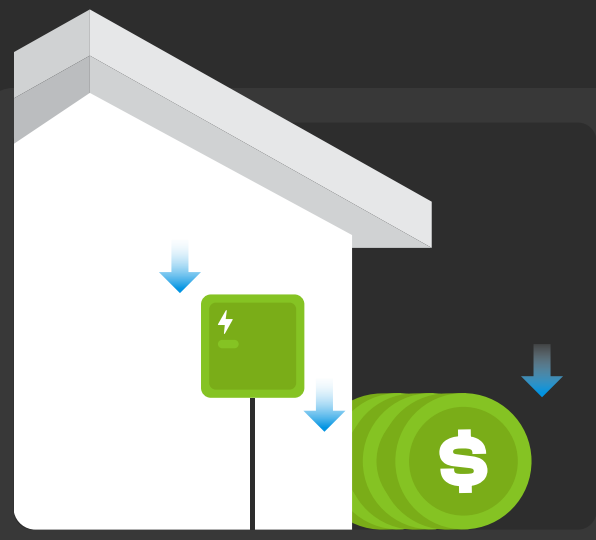
One of the most significant benefits of using AeroBarrier is its contribution to energy efficiency and cost savings. By sealing the leaks in a building's envelope, AeroBarrier reduces the amount of conditioned air that escapes from the building. This results in less energy being required to heat or cool the building, leading to lower energy bills.



The durability and longevity of the AeroBarrier seal is noteworthy. The sealant is designed to last for decades, providing a long-term solution for air sealing. This durability, combined with the performance benefits of AeroBarrier, makes it a worthwhile investment for any building project.

## Applications of AeroBarrier

AeroBarrier has a wide range of applications, from residential to commercial buildings.



### In the residential sector

AeroBarrier is used in new home construction and renovations to improve energy efficiency and comfort. Homeowners appreciate the lower energy bills and healthier indoor environment that AeroBarrier provides.



### In the commercial sector

AeroBarrier is used in a variety of projects, including office buildings, schools, and healthcare facilities. The technology helps these buildings meet stringent energy efficiency standards and provides a healthier environment for occupants.

## Frequently Asked Questions about AeroBarrier

### Q Is AeroBarrier safe to use?

A Yes, AeroBarrier is safe to use. The sealant is non-toxic and has been certified by GreenGuard Gold for low emissions. This means it is safe for use in environments like schools and healthcare facilities.

### Q How long does the AeroBarrier process take?

A The length of the AeroBarrier process can vary depending on the size and complexity of the building. However, a typical application usually takes a few hours.

### Q Can AeroBarrier be used in old buildings?

A Yes, AeroBarrier can be used in both new and old buildings. It is an effective solution for improving the energy efficiency and comfort of older buildings that often have many air leaks.

### Q What is the cost of using AeroBarrier?

A The cost of using AeroBarrier can vary depending on the size of the building and the level of air tightness desired. New construction projects typically range between \$1.00 and \$1.50 per square foot. Retrofit applications of AeroBarrier to existing buildings can exceed this price range due to additional project considerations.

### Q How do I get started with AeroBarrier for my project(s)?

A Call Green South Energy Solutions or send us an email to let us know you are interested in learning more and to receive a quote. You will be asked to provide us with the architectural drawings that include any energy certifications, federal tax credits or rebates being sought. AeroBarrier is a common consideration with programs like Energy Star, HERS, ZERH, PHIUS, LEED and others.

