





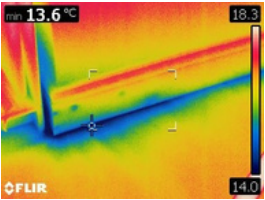







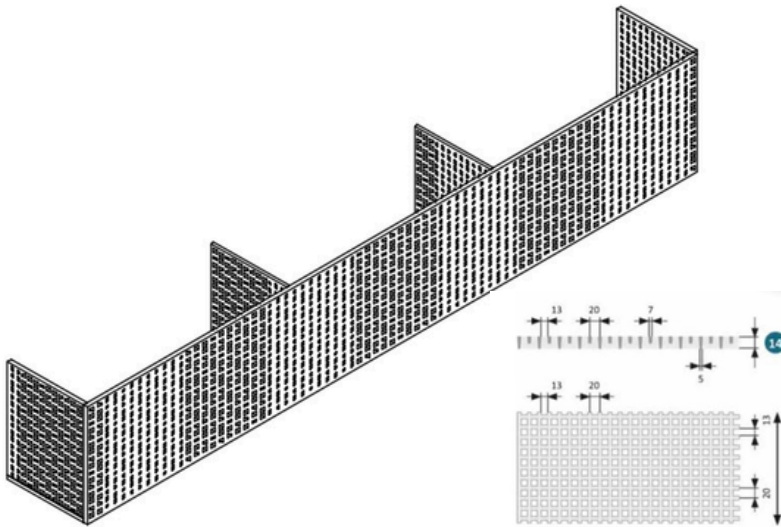
Air Drain Homeowners Pack & Installation Guide

The Eco Tiffin Air Drain works by harnessing the power of natural evaporation, effectively removing excess moisture that typically gets absorbed in masonry walls around and below DPC levels. Unlike traditional methods that only treat symptoms, the Air Drain tackles the root cause by allowing moisture to escape before it can penetrate the masonry, thus reducing the onset of moisture and its associated damage.

The Air Drain is designed to be a unique, permanent solution to these issues of ground level moisture ingress. Here are some examples:

Moisture Related Problem	Conventional Temporary Treatments	Air Drain Benefits
 <p>Moisture ingress, leading to dampness, pointing damage and brick spalling.</p>	 <p>Temporary coverings and seals only offer short term protection and cannot protect for increasing frost damage</p>	 <p>Air Drain protects walls by enabling natural evaporation of water, therefore reducing the links of damp related defects</p>
 <p>Water entering through air bricks due to paving being raised higher, causing major water damage</p>	 <p>There are no temporary solutions available for this.</p>	 <p>The Air Drain provides a permanent solution to this problem by allowing rainwater to drain away from the air bricks and evaporate</p>
 <p>Cold bridging leads to heat loss through walls, its especially found in solid walls</p>	 <p>The only cure is extensive internal invasive remodelling</p>	 <p>Air Drain offers reduced cold bridging by reducing moisture content as dryer walls are warmer walls</p>
 <p>Dry rot caused by moisture ingress can easily cost up to tens of thousands of pounds</p>	 <p>Some modern day timbers are treated for protection against decay however no solution is place for existing & historic buildings</p>	 <p>Due to the design of the Air Drain it reduces moisture levels to prevent decay establishing itself</p>

Specification



Air Drain Dimensions: H250mm D150mm W1200mm, C Section design.

Air Drain Material: GRP Polymer, long lasting material. ISO Standard Polymer Resin.

Water absorption rate: 0.45 x 24 hrs ASTM D570

Flammability resistance: Class 2

Frost resistance No: Effect DD CEN/TS 772-22:2006

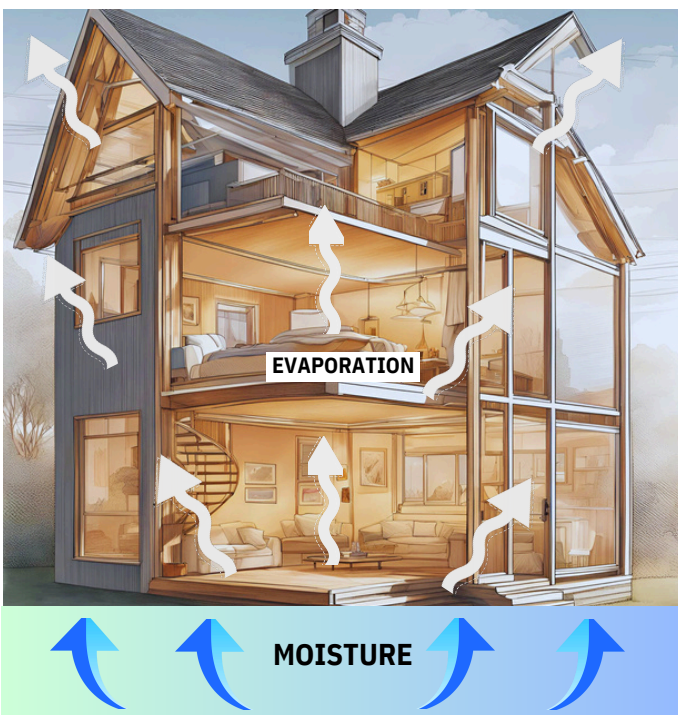
Weatherability Pass: MOAT 22

Anti-Slip Surface: 1.04 CoF (Enhanced slip resistance) BS 4592-0

The Air Drain's unique design utilises natural evaporation to reduce moisture to walls at the DPC level, providing a sustainable solution that protects properties from costly damage internally & externally, also reducing cold bridging and enhances energy efficiency, making buildings more comfortable and environmentally friendly.

This patented and industry recognised product is a game-changer in the industry, combining cutting-edge technology with practical application to solve real-world problems. It's a testament to this unique innovation that delivers lasting benefits for property owners and developers alike.

Benefits



In line with guidance issued by Public Health England under BRE Guide 7 in the area of Reducing Radon gases, The Air Drain system is ideal in working in conjunction with the existing construction of the homes natural evaporation system and preventing the build up of harmful gases.

Due to climate change and the higher levels of water through rainfall, homes are having higher levels of **moisture loading** than ever before. Water must and does naturally evaporate, therefore the Air Drain allows for ventilation through the structure of the building and not inside of your home, causing condensation, mould and unhealthy living conditions.

How to install Air Drain

Step 1: Preparation



Dig out 250mm out from the wall, dig down 250mm allowing space for the pea shingle & possibly a land drain should invert levels allow.

Then add 50mm pea shingle to the base level & compact. In some cases angle grinders & breakers are needed to remove sections.

We recommend 15kg of Pea Shingle per metre of Air Drain installed.

Step 2: Installation



The Air Drain is 150mm wide & 200mm deep, it can be cut where need be, then we back fill with pea shingle to the face of the air drain.

It is assembled & fastened with straps or a 2 part resin. It can be cut where necessary & backfilled with pea shingle. It is easy to adjust to allow for cables and pipes.

Professional installation service

At Air Drain we offer a professional installation service. By choosing to have your Air Drain project installed by our fitters, we will guarantee the system and its effectiveness for 5 years to the value of the installation & component cost, for 5 years.

Air Drain measurement guide

The Eco Tiffin Air Drain works by harnessing the power of natural evaporation, effectively removing excess moisture that typically is absorbed against external walls. To ensure a successful installation of the Air Drain product please follow the guide below on how to correctly measure and prepare for your Air Drain installation & delivery.



Measure all external walls of your home's ground floor, following the diagram on the left.

For precise measurements, start 150mm away from the surface of the brickwork and measure around the entire perimeter.

Corner sections are necessary to create seamless joins between different parts of your project. Be sure to count and record the number of corner sections needed for your installation, and numerate how many external and internal angles there are.

Once you have calculated your exact requirements of the Air Drain please place your order with Eco Tiffin. Please note that the Air Drain is available in 1.2 metre lengths that can be cut to size, as well as specially designed corner units for creating the ideal fit for your home.