

# BREATHE LIVING WALL

Breathe Living Walls create scalable interior plantscapes. It's a low-tech, but effective system unique to DIRTT that lets you mix plant types. Plants grow in their own containers.

Breathe is a simple system for incorporating plants into DIRTT Walls. It mounts to the tile layer of the wall, can be retrofitted on existing DIRTT walls with tiles, or can be mounted to any flat, vertical building surface. It is scalable and easily expanded from one panel to a monolithic wall of plants. Any space can incorporate Breathe Living Walls to bring nature indoors and detoxify interior spaces.

## Sustainable

Breathe shares the same notion of modularity as the rest of the DIRTT system. It supports living plant modules and an independent water delivery system. Unlike hydroponic living wall systems, which are often only good for the life of a wall (the roots are literally embedded in the wall's material composition), Breathe is a box-type system which adapts well to changes in an interior environment. Just like DIRTT's modular wall system, Breathe plant pots and the support structure can be moved around. Individual pots can be replaced if a plant becomes sick or if freshly flowering plants are substituted for those that have ceased to flower. This flexibility is unique to Breathe, making it a living wall of choice for new construction and retrofitting of interiors.

This isn't your **typical** living wall.



# OVERVIEW



## Features

- A sustainable, modular and flexible way to introduce living plants into interiors.
- Plant pots are different sizes and are easily added, moved and removed.
- Self-contained hoses and troughs use gravity to send water through the system making watering plants a simple task.

Breathe™ is a way to introduce living plants into environments to take advantage of the beauty, clean air attributes and kick of extra oxygen plants provide, all without using up precious real estate.

Breathe is designed to initially, or retroactively, attach to DIRT Walls or conventional walls. Plant pot modules come in different sizes and cantilever into the patented DIRT support extrusions. The self-contained hoses and troughs use gravity to send water through the system, to make watering simple.

## Environmental

Most buildings condition air through an HVAC system to render the air fit for human use. Conditioning air requires energy, further contributing to greenhouse gas production and the cost of building operations. Plant landscapes can lighten the load of the HVAC system by removing many of these toxins, resulting in less energy use in buildings. Studies confirm certain types of indoor plants reliably reduce total volatile organic compound loads by 75%, to below 100 ppb (parts per billion), and also remove CO<sub>2</sub>. In fact, Breathe can provide a benefit to indoor air quality that no HVAC system can supply.

## Performance Booster

The positive impacts of plants in workplace interiors are well documented. People perform better in environments with plants, which seem to have a stress-reducing effect and can prevent fatigue during attention-demanding work. For a small investment, organizations can improve cognitive performance and drive better business results by including plants in the design of interior spaces.

