

1: Welcome to Vertical Garden Patrick Blanc | Vertical Garden Patrick Blanc

Patrick Blanc, botanist and artist, is world famous as the inventor of the Vertical Garden. This new, updated edition of his book, The Vertical Garden, includes his latest achievements and projects, which are bolder than ever.

Loose media[edit] Loose medium walls tend to be "soil-on-a-shelf" or "soil-in-a-bag" type systems. Loose medium systems have their soil packed into a shelf or bag and are then installed onto the wall. These systems require their media to be replaced at least once a year on exteriors and approximately every two years on interiors. Most importantly, because these systems can easily have their medium blown away by wind-driven rain or heavy winds, these should not be used in applications over 8 feet high. There are some systems in Asia that have solved the loose media erosion problem by use of shielding systems to hold the media within the green wall system even when soil liquefaction occurs under seismic load. In these systems, the plants can still up-root themselves in the liquified soil under seismic load, and therefore it is required that the plants be secured to the system to prevent them from falling from the wall. Loose-soil systems without physical media erosion systems are best suited for the home gardener where occasional replanting is desired from season to season or year to year. Loose-soil systems with physical media erosion systems are well suited for all green wall applications. Mat media[edit] Mat type systems tend to be either coir fiber or felt mats. Mat media are quite thin, even in multiple layers, and as such cannot support vibrant root systems of mature plants for more than three to five years before the roots overtake the mat and water is not able to adequately wick through the mats. The method of reparation of these systems is to replace large sections of the system at a time by cutting the mat out of the wall and replacing it with new mat. This process compromises the root structures of the neighboring plants on the wall and often kills many surrounding plants in the reparation process. These systems are best used on the interior of a building and are a good choice in areas with low seismic activity and small plants that will not grow to a weight that could rip the mat apart under their own weight over time. It is important to note that mat systems are particularly water inefficient and often require constant irrigation due to the thin nature of the medium and its inability to hold water and provide a buffer for the plant roots. This inefficiency often requires that these systems have a water re-circulation system put into place at an additional cost. Mat media are better suited for small installations no more than eight feet in height where repairs are easily completed. Sheet media[edit] Semi-open cell polyurethane sheet media utilising an egg crate pattern has successfully been used in recent years for both outdoor roof gardens and vertical walls. The water holding capacity of these engineered polyurethanes vastly exceeds that of coir and felt based systems. Pockets are cut into the face of the first urethane sheet into which plants are inserted. Soil is typically removed from the roots of any plants prior to insertion into the urethane mattress substrate. A flaked or chopped noodle version of the same polyurethane material can also be added to existing structural media mixes to boost water retention. The Green Wall in Sutton High Street , Sutton , Greater London Structural media are growth medium "blocks" that are not loose, nor mats, but which incorporate the best features of both into a block that can be manufactured into various sizes, shapes and thicknesses. An active living wall actively pulls or forces air through the plants le quality to the point that the installation of other air quality filtration systems can be removed to provide a cost-savings. Therefore, the added cost of design, planning and implementation of an active living wall is still in question. With further research and UL standards to support the air quality data from the living wall, building code may one day allow for our buildings to have their air filtered by plants. The plants may purify slightly polluted water such as greywater by absorbing the dissolved nutrients. Bacteria mineralize the organic components to make them available to the plants. A study is underway at the Bertschi School in Seattle, Washington, using a GSky Pro Wall system, however, no publicly available data on this is available at this time. Living walls are particularly suitable for cities, as they allow good use of available vertical surface areas. They are also suitable in arid areas, as the circulating water on a vertical wall is less likely to evaporate than in horizontal gardens. The living wall could also function for urban agriculture , urban gardening , or for its beauty as art. It is sometimes built indoors to help alleviate sick building syndrome. Living walls are also acknowledged for remediation of poor air quality, both to internal and external areas. Sources[edit] Thomas

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2: The Vertical Garden: From Nature to the City by Patrick Blanc

Book "The Vertical Garden" Release of the new version of the book "Le Mur Végétal, de la nature à la ville", Michel Lafon editor, of "The Vertical Garden, from nature to the cities", Norton Press and also of "Vertikale Garten, die Natur in der Stadt" in German, Ulmer editor.

3: The Vertical Garden: From Nature to the City: Patrick Blanc | NHBS Book Shop

Patrick Blanc (born June 3, , Paris) is a botanist, working at the French National Centre for Scientific Research,[1] where he specializes in plants from tropical forests. He is the modern innovator of the green wall, yet recent scholarship on the subject suggest that the vertical garden (aka.

4: Patrick Blanc - vertical gardens

Welcome to Patrick Blanc's website, Patrick is a botanist and the creator of the Vertical Garden.

5: Green wall - Wikipedia

Picture of Green Symphony vertical garden in Taipei from Mur Vegetal Patrick Blanc This "beyond the book article" relates to The Human Age. It originally ran in September and has been updated for the September paperback edition.

6: The Vertical Garden : In Nature and the City by Patrick Blanc (, Hardcover) | eBay

LibraryThing Review User Review - Fliss88 - LibraryThing. What an amazing book! Patrick Blanc is one of this centuries heroes! The greening of our buildings is such an ambitious undertaking, and he has such skill at the job.

7: | Vertical Garden Patrick Blanc

"The Vertical Garden: From Nature to the City," by Patrick Blanc, the French botanist who has devoted his life to turning the bare walls of buildings, inside and out, into green living worlds.

8: Homes: the greenhouse effect | Life and style | The Guardian

Patrick Blanc, a French botanist and a pioneer of the vertical garden concept, says that his numerous creations that include the exterior of the Quai Branly Museum (shown above) in Paris and the Parliament in Brussels, prove that living in a city doesn't have to mean abandoning the natural world.

9: The Vertical Garden: From Nature to the City - Patrick Blanc - Google Books

Patrick Blanc is a French botanist and designer who invented the concept of the vertical garden and has been on a quest to green walls across the planet with his plant-based creations for the last.

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