



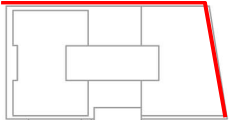
Quai Branly museum. Paris, France

The vertical garden

The Vertical Garden, know as Le Mur Végétal in French, was conceived after many observations in natural environments. The Vertical Garden relies on a new way to grow plants without any soil. The Vertical Garden is the result of research made by the botanist Patrick Blanc, enquiring at CNRS. Since its weight is very light, it is possible to set up The Vertical Garden on any wall, whatever its size. The plant species selection is mainly set according to the prevailing climatic conditions.



Pershing Hall. Paris, France

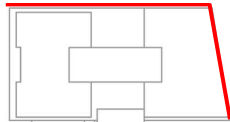


21st century Contemporary art center. Kanasawa, Japan



Fondation Cartier museum. Paris, France

Construction principles



The Vertical Garden consists of the superposition of three elements:

- A first solid, rigid and tight layer. It is made out of expanded PVC of 1 cm thickness. It is fixed at a distance of 4 cm of the surface of the wall to cover, to maintain a circulation of air.
- The second layer consists of a synthetic felt, 3 mm thick. The roots of the plants develop on this felt as the surface of a rock or a trunk. The nutritive water and elements are distributed all along the felt, by a bored pipe placed in top of the structure.
- The third layer is another layer of synthetic felt, 3 mm thickness. The boring of this felt makes it possible to constitute pockets into which the plants are slipped.



1 - Metal framing



2. Riveting PVC on metal structure



3. PVC boards



4. Felt layer

