



Water & Environment

Light green roof

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Technology's description

The "VCP" is a specific kind of green-roof specially developed for light-weight structures with steep slopes under tropical climates. The VCP acronym stands for Vegetalized Complex Partition type Ligneous over Structure and Air gap.

Comparatively to a traditional extensive green roof, the VCP is easy to install and allows to reach a higher thermal comfort at a lower energy budget (reduce the air-conditioning and heating needs) and at lower cost (materials and installation). Also, it has a lower weight so it can be installed on every structure (heavy or light-weight) with every roof slope and is adapted for heavy rainfall.

The VCP Lsa can be installed on buildings were no traditional green-roof (extensive or not) can. Regarding to this property, the VCP Lsa open a new and specific market which can be massive (considering the local building techniques).

Advantages

- Light Green roof
- Suitable for lightweight structures
- Suitable for steep slopes
- Adapted to tropical environments
- Optimum thermal insulation
- Aesthetic buildings

Intellectual property

Patent

Development level

System prototype demonstration in operational environment



Applications

- Civil engineering
- Thermal building

Technology transfer

- Licence
- Know-how

