

KEY FIGURES - ROOF REVITALISATION

ECOLOGY



86 %
of plant species
are **indigenous**, on
extensive roofs



17 %
of known **beetle**
species have also been
found on **green roofs**
in Switzerland



50
bird species use
green roofs for
breeding and **other**
activities

1 m²
of **green roofs** can
capture...



0.2 kg
of **suspended**
particles per day



+ 6 %
concentration rate
at the sight of a
green roof

90%
of compounds, such
as **carbon monoxide**
and **butane**, are
degraded by
green roofs



In the city, **greening** of

15 %
of roofs, would
reduce the
temperature of
3,3 °C



1,8 Millions m²
of **new green roofs** per year in
Switzerland

ECONOMY

Water **retention capacity**
in summer and winter



70-100%



40-50%

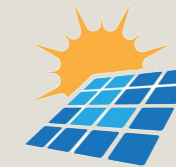


- 40 dB
of **noise** reduction



60.-/m²
electrical energy
savings compared to
a gravel roof

+ 4-5 %
of **efficiency** for
solar panels in
the presence of
vegetation



CONSTRUCTION TECHNOLOGY

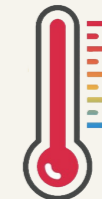


x 2 **Lifetime** of a **green roof** compared
to a **conventional roof**

- 60°C **Surface temperature :**

Conventional roof

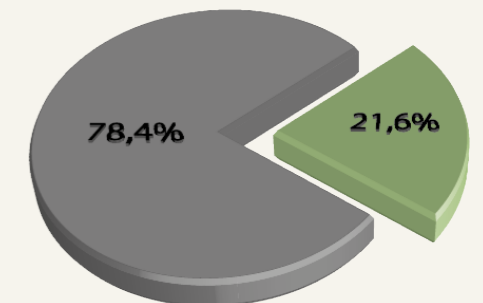
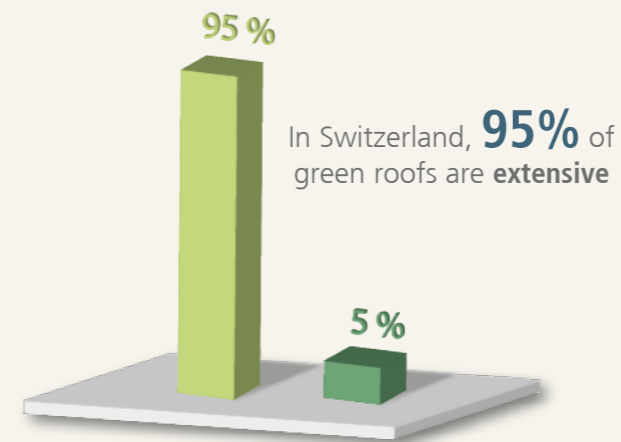
Green roof



80-90°C



20-25°C



Sources :

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