GREEN ROOFS IN URBAN LANDSCAPE

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SUMMARY

The green spaces are constantly loosing territory in front of modern constructions, with negative implication upon urbanism and environment. Due to this a higher concern is oriented for the development of the roof tops in green roofs.

If in Europe and America the landscape design of the green roofs isn’t any longer an actual problem, in our country this kind of landscape works are considered futuristic and at the beginning of development. Through landscape design of the terraces and roof tops the quality of life is increasing by reducing the pollution, not at least the esthetic value of a house is highly increased. This „green islands” are capable to interrupt the gray effect of the construction, considerably improving the human health, bout physical and mental. In the industrial areas of the towns the green roofs assures a better integration of this area into the landscape.

There are variants for landscape design of a green roof top: intensive system and extensive system. The bout variants offer a large gamma of public and private benefices. The maximum load/building, selection and maintenance of plants, substrates used and landscape design costs must be directly related with the landscape design chosen.

The green roofs are constantly improving the roof top isolation. The research show that using a green roof top it was reduce with 26% the need of conditioned air in summer, and a 26% need of heat during the winter time. The life time warranty of this kind of roof top increases with 2-3 times more, than an ordinary roof top.

The green roof tops are improving the temperature in the urban environment, less money spent of heating the houses during winter, better lifespan warranty for the roof top, a better usage of rain water. The most important aspect consists in maintaining the constant values of the greenhouse effect and planet temperature.

The impact study of green roof tops upon the city climate temperatures occurs once with the increasing problem of the greenhouse effect. There are pros and cons regarding the beneficial effects of this kind of roof tops. N.A.S.A. provided an infallible aspect, the darkened color roof tops are 50% much hotter than a green roof top.

The landscape designers, urban experts and inhabitants of big metropolis have been sesibilized by the research made by N.A.S.A. and accepted the conclusion that the investment in this kind of roof tops is a needed one. Viewed from above the roof tops appear like some „green islands”, a beneficial transformation for the life quality, for a better life style.

REFERENCES

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