

TYPES AND FEATURES OF GREEN ROOF SUBSTRATES

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Abstract: *The interest for utilizing green roofs on different types of urban area buildings is on the rise. Green roofs have various advantages compared to traditional roofs: reduction of rain water inflow, favorable effect on the microclimate, noise reduction, and reduction in exploitation costs for heating and cooling energy products... Many of these benefits depend directly on the substrate and green layers which can differ in different types of green roofs. This paper will give basic information on green roofs, their advantages, construction elements, as well as different substrate types and features. In order to reduce differences based on roof types, we will only deal with the extensive roof type. The basic features of different substrate types will be given in general, without going into details of certain materials which are part of the substrate.*

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