

ARE GREEN ROOFS NECESSARY IN BUILDINGS?

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The world population increases every day. Because of this we cut down trees and green areas so we can build buildings. Green roofs are a good way for us to recover all the green areas we've lost. Instead of leaving the roof of a building unoccupied we can cover it green. A typical roof has no benefits for the environment. A green roof looks much better and actually is much better than an ordinary roof.



- One benefit of green roofs is that they provide a habitat for wild life. Green roofs attract different species such as birds, bees, ants, spiders and other insects. These species feed and rest on the green roofs. They provide a “house” for them. This helps keep certain species from going extinct and actually increases their count as they reproduce. Also, when a group of species migrate from one place to another, they may stop at a green roof. Some may decide they want to stay there and this can spread the number a certain species to different parts.



Green roofs can also prevent streets from flooding during rainfall. They have the ability to absorb and slow down storm water runoff. When there are big storms, a lot of streets tend to flood. Green roofs can bring a stop to this. During the summer, green roofs have the ability to absorb up to 90 percent of the water that falls on them. During the winter, they can absorb forty percent of the water that falls on them. Green roofs prevent the sewers from overflowing and the streets from flooding. This is very helpful for everybody and makes our lives much easier during a storm.



- In addition, green roofs can reduce noise pollution. Green roofs are able to absorb sound because of the plants. Green roofs have soil, plants and trapped layers of air within them. These things act as a sound insulation barrier. Green roofs decrease the amount of noise we hear from cars, airplanes, people and other loud things going on around us. Noise pollution can cause stress and mental problems so it is very important to avoid it for our own good health.
- Speaking of health, green roofs also improve air quality. The plants give us oxygen for us to breath and they consume the carbon dioxide that we don't need. The plants in these roofs make sure that the air we breathe is nice and clean. They clean dust and other pollutants from the air. This helps reduce air pollution and makes the world a cleaner place.



At last, green roofs can act as an insulation during the winter and summer. During the winter they provide more heat for the building and during the winter they keep the building cooler. This means that air conditioning bills during the summer and the heating bills during the winter can be reduced by a lot. We wouldn't have to use the air conditioner and heater all day if we had a green roof. Green roofs keep the building at the temperature we need. Because of green roofs, energy usage can be reduced as well. They provide money savings and environmental savings.



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