



GREEN ROOF CONTRACTOR

Green roofs offer social, economic, and environmental benefits.
PLANT FANTASIES offers its professional experience in creating them.



GREEN ROOF BENEFITS ARE NUMEROUS



- . Maintenance reduction
- . Reduction of storm water run off
- . Insulation
- . Air quality improvement
- . Cooling effects contribute to the reduction of the heat island effect experienced in large cities
- . Longer life span than standard roof systems due to better roof membrane protection from UV radiation and temperature fluctuation.
- . LEED accreditation
- . Aesthetic and psychological restorative healing effects

Because we at **PLANT FANTASIES** understand and are sensitive to the importance of these benefits, we take on green roof projects with the most dedicated professional approach.



AN EXTENSIVE GREEN ROOF SYSTEM



The Millennium Tower Residences Battery Park City, New York, 2006

As part of its compliance with the Battery Park City green guidelines for all new residential buildings, this project involved the installation of an extensive green roof on three different levels: Terraces on the 4th and 8th floors, and on the rooftop on the 36th floor. **PLANT FANTASIES** served as the landscape contractor for these areas in addition to ground level beds and street tree plantings.

An integrated extensive system

This integrated extensive green roof had a minimum of 4" of special lightweight soil in which drought-tolerant, low maintenance sedums were carefully planted in waves of color as specified in the Landscape Architect's design. *Sedum sexangulare*, *spurium 'Fuldaglut'*, and *album 'Murale'* were some of the sedum varieties selected for this project.

*The Millennium Tower Residences,
New York City*



Sedum sexangulare



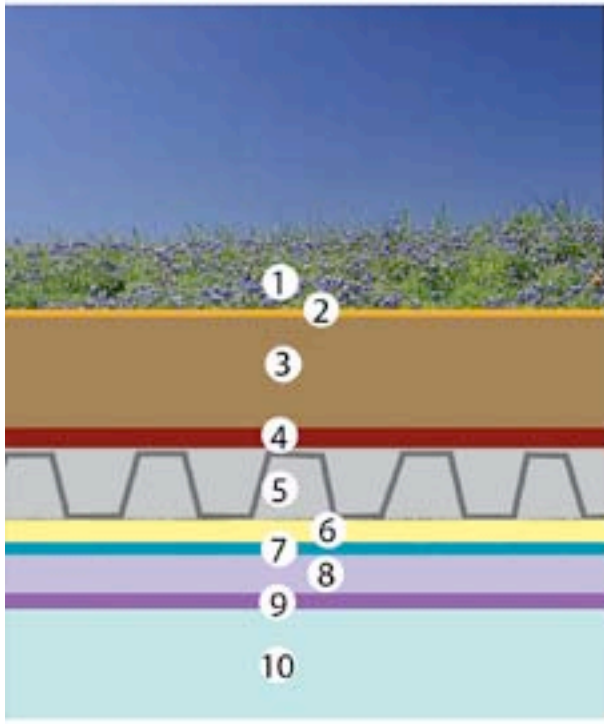
Sedum spurium 'Fuldaglut'



Sedum album 'Murale'



PLANT FANTASIES WORK IN PROGRESS



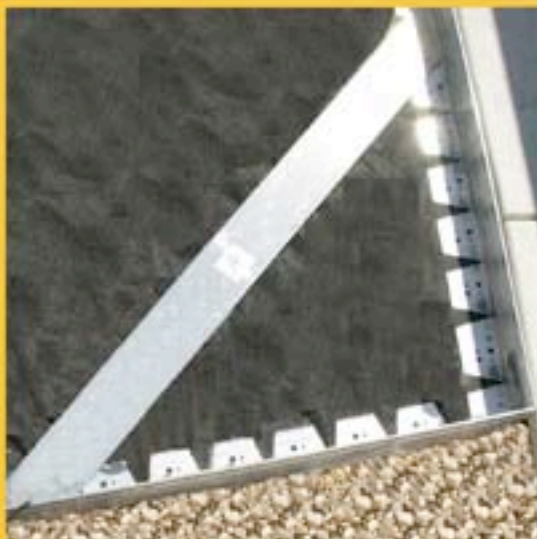
This extensive green roof was installed following the layering outlined in the illustration

1. Vegetation
2. Biodegradable coconut mat
3. Lightweight soil
4. Geotextile
5. Drainage layer
6. Water retention layer
7. Root barrier
8. Insulation
9. Waterproof membrane
10. Roof structure

PLANT FANTASIES has established relationships with numerous suppliers of Certified Green Roof Materials. This network of suppliers provides not just materials, but also serves as a valuable source of expertise for your green roof building needs.



Hoisting the soil, the gravel ballast, and all other material.



Laying out the different components to a perfect fit: here, the geotextile and the aluminum edging which separates the soil from the gravel ballast and the pavers.



Spreading and compressing the soil.



Laying out a temporary irrigation system.



Covering with more soil and laying out a biodegradable coconut fiber mat.



Planting the plugs of sedum through the coconut fiber mat, following the landscape architect's design.



Over time the coconut mat will disintegrate as the sedums grow and their roots develop a stronger grip into the soil beneath.

If you are considering a green roof, **PLANT FANTASIES** will be happy to contribute its experience to your project. Please feel free to contact us anytime.

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