

JDR Enterprises, Inc.

believes that we each have responsibility for making a better world and encourages green roof technologies. JDR will continue to do its part by providing key components for successful green roofs.



atlanta city hall greenroof



greenroof
trial gardens



J-DRain' GRS
Green Roof Drainage System

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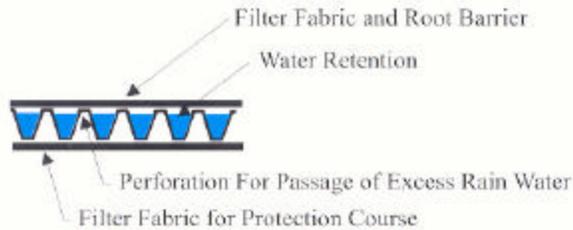
**greenroofs are about
'altitude & attitude'!**

JDR Enterprises, Inc.

J-DRain[®] GRS

Green Roof Drainage System

J-DR Enterprises, Inc. is a leading manufacturer and supplier of greenroof drain components. J-DR's goal is to manufacture, supply, and promote the most efficient, high quality green roofing drain components and technology to our community.



J-DRain GRS (Green Roof System) is a pre-assembled drainage composite consisting of a high strength dimpled core and two layers of geosynthetic fabric attached top and bottom. The dimpled core has water retention chambers for storing water while allowing excess water to pass through (perforations) into the roof's collection system.

A function of the J-DRain GRS drain layer is the application of a root barrier filter fabric. It is placed directly atop the drain layer for maximum, long-term success of the drainage layer. The root barrier filter fabric allows water to drain while preventing roots from affecting the efficiency of the drainage/aeration layer. It also acts as a filter fabric, preventing fine particles from being washed out of the substrate soil.

The bottom filter fabric acts as a protection layer to the roofing membrane, adds stability to the drain layer and filters fine particles ensuring maximum drainage efficiency.

welcome

The greenroof demonstration and trial gardens are located at North Metro Technical College, 5198 Ross Rd., just outside Atlanta in Acworth, Georgia. They were implemented in 2004 to test various greenroof components; root barrier filter fabrics, engineered soils and plants. The main aim of establishing the trial gardens is to learn about the performance of the various components specifically relating to the drain layer, both "garden worthiness" and performance of components as a total greenroof system. We then want to share the lessons and experiences of this garden with our customers.



'altitude', greenroofs can be found today in nearly all large cities in the world. Greenroofs involve growing plants on rooftops, thus replacing the vegetated footprint that was covered when the building was constructed. Greenroofs are limitless in their applications and design possibilities and include all existing and future roofs in the country.

'attitude', the wish for a better quality of life, causes a change in thinking. Greenroofs provide many ecological, economic, and aesthetic solutions (soil, water, climate, flora, and fauna) which help protect the urban environment.

what is a green roof?



Greenroofs are vegetated roof coverings meant as healthier, eco-friendly and aesthetically pleasing alternatives to traditional roofing. Sedums, also known as stonecrop, are the plant of choice for this technology because they can tolerate hot sun and dry conditions. Greenroofs create a natural insulation system; absorb rainwater and lower city temperature.

The success of a greenroof depends on the thorough understanding of all components and also the specific needs and conditions of each particular site. All greenroofs contain basic components, and generally have a layering system that begins with the roof deck, followed by a waterproof membrane, a drain layer, the growing medium and, finally, the plants.