

Project Profile Data

Hotchkiss School, Lakeville, CT, USA



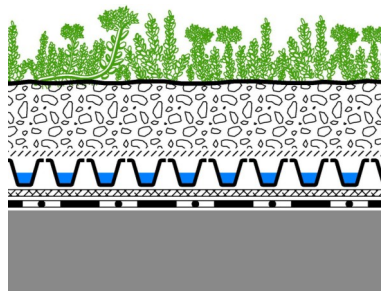
The undulating sloped green roof merges the building beautifully with the surrounding landscape.

Conception

The Hotchkiss School in Lakeville, CT, is located in one of the most beautiful geographic locations in the Northeast. The Hotchkiss School, an independent boarding school for 598 students from all over the US, was founded in 1981. Installed in July, 2012, the green roof of the school's new Biomass Treatment Center is an exciting addition to an already beautiful campus. The Biomass

Treatment Center is a LEED Gold certified building, that provides heating for the Hotchkiss School's campus buildings. According to the architect, the facility is part of Hotchkiss commitment to becoming a CO₂-neutral campus by 2020. The building merges with the surrounding landscape in an excellent way, due to the low profile and an undulating sloped green roof.

System Build-up



- Plant layer "Sedum Carpet"
- Growing media Zincoblend E
- Filter Sheet SF
- Floradrain® FD 25-E
- Protection Mat SSM 45
- Roof construction with root resistant waterproofing



Just three months after completion the plants already had thrived splendidly.



Due to the use of precultivated sedum mats, the roof was covered by vegetation quickly.



Project Data

Area: ca. 11,500 sq. ft. (1,070 m²)

Construction Year: 2012

Architect/Design:
Centerbrook Architects and Planners,
Centerbrook, CT

Contractor:
Apex Green Roofs, Sommerville, MA

System Build-up:
"Sedum Carpet" with Floradrain® FD 25-E

Coordinates:
41°56'46.61"N 73°26'6.58"W

Development



Before the green roof work started, a root resistant waterproofing made by Sika Sarnafil was installed.



The precultivated vegetation mats were laid butt joints directly onto the green roof substrate.



Shortly after completion: The "Biomass Treatment Center" with its green roof.