



View from the roof edge of the day-care centre over the playground.

### Project Data

Area: 1.350 m<sup>2</sup>

Construction Year: 2008/2009

Architect/Design:  
Henning Larsen Architects,  
Copenhagen

Contractor:  
Malmos A/S, Roskilde

System Build-up:  
"Grassy Pasture" with Floradrain®  
FD 40-E

Coordinates:  
55°41'58.96"N 11°41'58.48"E

### Conception

In 2009, the new day-care centre "Elf Hill" was opened in Holbæk, where children between 0 and 6 are being looked after. The architecturally outstanding building is situated in the centre of a residential area. The building is inclined on one side and blends into a naturally grown slope. Also the greening consisting of a variety of grasses corresponds to the surrounding landscape.

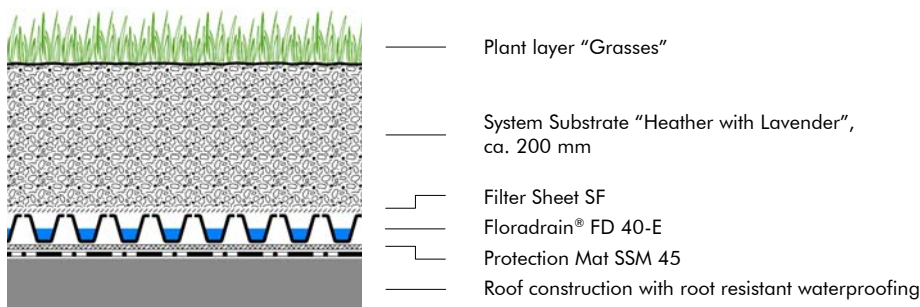
A system build-up based on the Floradrain®

FD 40-E element was chosen. This solution stores a certain amount of water and drains excess water away quickly and safely, just like natural soil would do. Furthermore the green roof protects the building from heat in summer and from cold in winter, and therefore it adds to the building's insulation. Danish regulations on thermal insulation are more than fulfilled by this design and it considerably reduces the energy consumption of the building.



The roof of the day-care centre has an inclination of roughly 3%.

### System Build-up



Around one year after completion of the green roof it can hardly be distinguished from the surrounding landscape any more.



The roof is accessible up to the curving fence.



The green roof is well visible even from the surrounding garden.



The group rooms and the outdoor playground are facing towards south.

