Project Report

BaseCamp, Lyngby, Copenhagen

The modern student accommodation combines a unique design with a sustainable, innovative construction.

Project Data

Total area: ca. 9.300 m²

Construction Year: 2019

Architect/Planner:
Lars Gitz Architects, Copenhagen

Client:
BaseCamp Group, London

System Build-up:
"Roof Garden" with Floradrain®
FD 40-E (flat areas) or Protectodrain®
PD 250 (steeper areas)

Coordinates:
55°46'53.74"N 12°29'14.59"E

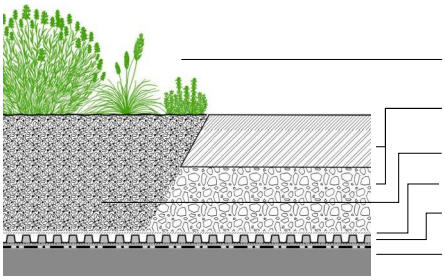
Conception

BaseCamp Lyngby is multiple-award-winning building located in the midst of nature and close to the Unesco preserved Dyrehaven park. It offers accommodation and services for approx. 900 students, PhDs but also seniors. The roof of the organically shaped building is publicly accessible. A ca. 700 m long circular path winds up from ground level to the highest point of the 6th floor building and back down on the other side. It offers stunning views and occasions for people of different ages to meet and interact.

For the steeper roof areas a special solution with the heavy duty drainage element Protectodrain® 250 was used. It is suitable for intensive green roofs and hard landscape applications. The attached rubber protection mat holds the drivable elements in place on top of the waterproofing.
The whole building is certified to DGNB System Denmark level gold. Besides solar energy production and gardens for grocery growing, the green roof contributes essentially to this certification.

The large green roof buffers rainwater, reduces the ambient temperature, cleans the air and saves energy.

System Build-up



Plant layer (vegetated areas)

Asphalt layer plus ca. 150 mm gravel base layer (hard landscapes)

System substrate (vegetated areas)

Filter Sheet PV

Protectodrain PD® 250

Roof construction with root resistant waterproofing

The round building is the central meeting place and contains space for a café, studying, lectures, fitness and parties.

Development

The path on the roof rises 22 meters from ground level to the highest point on top of the 6th floor.

The substrate is applied in different heights to allow for a wide range of plants to thrive.

Part of the approx. thousand bicycle racks have received a green roof, too.

ZinCo GmbH
Lise-Meitner-Strasse 2 · 72622 Nuertingen · Germany
Phone +49 7022 6003-0
info@zinco-greenroof.com · www.zinco-greenroof.com

Life on Roofs