

Project Report

“Avling Kitchen and Brewery”, Toronto

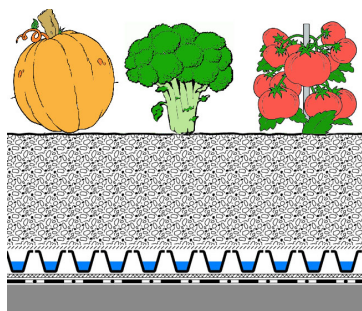


The urban farming roof at the “Avling Kitchen and Brewery” in Toronto is a great example that might inspire the surrounding, triste rooftop desert to opt for green roofing.

Conception

Beside the restaurant and the brewery, the 400 m² roof garden is an essential component of the *Avling Kitchen and Brewery* conception: it provides tasting ingredients from their own roof garden for both business units. The company's declared goal is to have a sustainable and organic farm with a wide variety of indigenous plants. This includes herbs, vegetables, cereal grain, and naturally hops. Flowers are also grown there, as they are important for a vibrant ecosystem. The type of crop is also selected with a view to allowing for the longest possible harvest period through the year.

System Build-up



Plant layer (fruit and vegetables)

System Substrate “Lawn”

Filter Sheet TG

Floradrain® FD 40-E

Protection Mat SSM 45

Root Barrier WSF 40



Everything is grown organically, self-harvested and used straight from the garden by the restaurant kitchen. Special herbs and spices are used for the seasonal craft beers.



The living roof is just bursting with vitality. An incredible array of herbs, vegetables, flowers and cereal grains grow here.

Project Data

Area: ca. 400 m²

Construction Year: 2019/2020

Architect:
LAMAS Architecture Ltd., Toronto

Ausführung:
Ginkgo Sustainability Inc., Etobicoke

System Build-up:
“Urban Farming” with Floradrain® FD 40-E

Coordinates:
43°39'42.26"N 79°20'17.78"W



Avling Kitchen and Brewery is currently also research partner with ZinCo Canada to establish data on soil amendments for rooftop farms using FLL growing media.



For most of the plants, a system substrate depth of 200 mm is sufficient, however, certain types of plants with deeper roots thrive in the raised beds with up to 600 mm substrate depth.



The “farm to table” idea puts the harvested crops directly onto the plate: lettuce tastes best when it's this fresh!

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Life on Roofs