

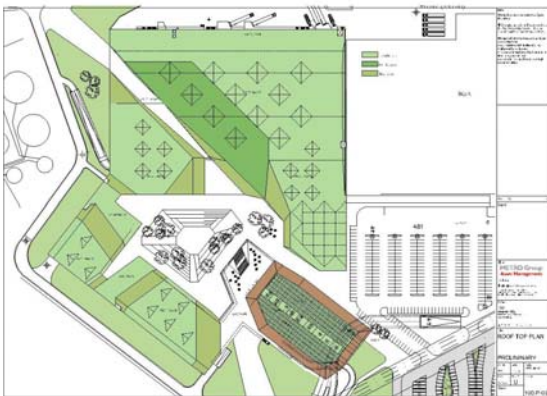


The central point of Shopping Square Meydan is a large piazza.

Conception

The most remarkable METRO Group Asset Management shopping centre, designed by London architects FOA, has been opened in a rapidly growing residential area on the Asian side of Istanbul. The centre of this ensemble of shops, cafes, restaurants and movie theatre complex is like the piazza of a central European town that has grown over

centuries. The folded and sometimes extremely steep roof areas of the complex are extensively covered with vegetation, and some parts can even be walked on, creating a small park. In the middle of the square is a water feature that has a fountain in summer, and can be used as an attractive skating rink in winter.



Most of the roof area is covered with a natural meadow.



A public way between the green roof area and the piazza.

Project Data

Area: ca. 35.000 m²

Construction Year: 2007

Architect/Design:
FOA – Foreign Office Architects,
London

Investor:
Metro-Group Asset Management

System build-up with Georaster®,
Floraset® FS 75 und Floradrain® FD 25-E

Coordinates:
41°01'26.58"N 29°07'31.41"E



Only the aerial view shows the dimensions of the Meydan-Centre.



The walkable part of the green roof is equipped with comfortable seats for relaxing.

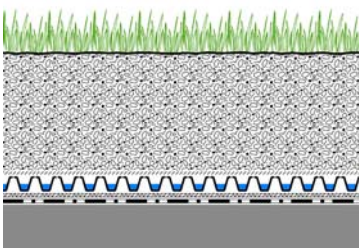


The steep roof with the different species of Sedum.

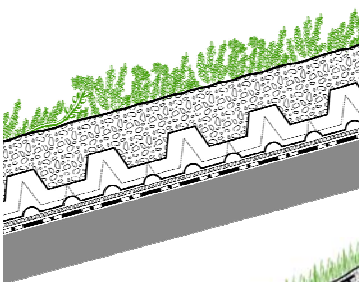




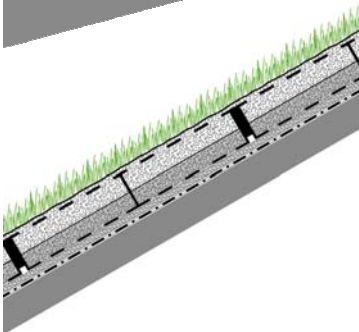
System Build-ups



- Plant layer
- System Substrate
- Filter Sheet SF
- Floradrain® FD 25-E
- Protection Mat SSM 45
- Roof construction with root resistant waterproofing



- Plant layer
- System Substrate
- Floraset® FS 75
- Protection Mat SSM 45
- Roof construction with root resistant waterproofing



- Plant layer
- Georaster®, infilled with System Substrate
- Protection Mat WSM 150
- Roof construction with root resistant waterproofing



Floradrain® FD 25-E and Filter Sheet SF are installed.



Installation of the drainage elements Floraset® FS 75.



The thickness of the substrate layer at the Meydan Centre is 100 mm.

Development



Installation of the Georaster® elements on the steep roof.



The Georaster® infilled with System Substrate.



The result after about one year.