

Project Report

Kö-Bogen, Duesseldorf



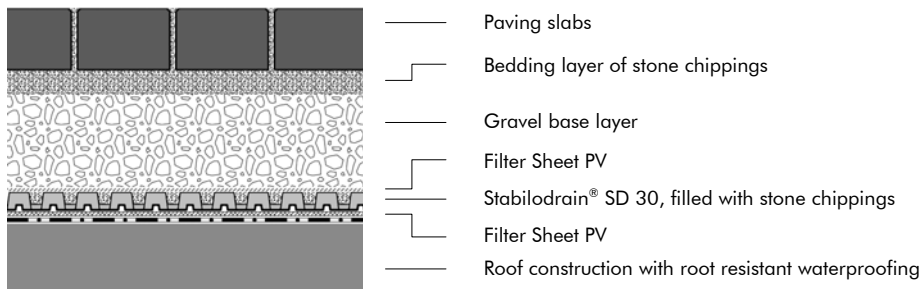
The courtyards are stylishly decorated with linear patterns and a variety of flower beds in different sizes, depths and geometric shapes.

Conception

In the heart of Duesseldorf, the extravagant commercial and office building Kö-Bogen dominates the cityscape. Outstanding is not only the innovative design of the six-storey complex by Daniel Libeskind, but also its LEED platinum award for sustainable construction. The name Kö-Bogen (Kö-Arc) is derived from the shape of a street running along the Hofgarten (Court Garden) towards the Königsallee (Kings

Alley), fondly called the Kö by the citizens. The planning of green areas of the building includes the extensive green roof based on the drainage element Floraset® FS 50 and the intensive green roofs of the two courtyards based on the protection and drainage sheet Fixodrive® FX 50. The pavement at the forecourt, which is also located above an underground garage, is equipped with the extremely stable drainage element Stabilodrain® SD 30.

System Build-up at the Entrance Area



Since vehicles such as delivery trucks and fire engines are meant to pass the forecourt, the build-up needed to be planned in a way it supports heavy loads.



Fixodrive® FX 50 is hidden below the dynamically designed pattern.

Project Data

Area: ca. 7.000 m²
 Construction Year: 2013
 Architect/Design:
 Studio Daniel Libeskind Architect LLC,
 New York and Grontmij GmbH, Duesseldorf
 Project development:
 die developer, Projektentwicklung GmbH,
 Duesseldorf
 Contractor:
 Sieg + Partner GmbH & Co. KG,
 Wermelskirchen and Balan GmbH, Datteln
 System Build-ups with Stabilodrain® SD 30
 on inverted roof, with Fixodrive® FX 50 and
 Floraset® FS 50
 Coordinates:
 51°13'36.84"N 6°46'49.78"E



In March 2014, the Kö-Bogen was awarded the prestigious MIPIM Award in Cannes in the category "Best Urban Renewal Project".



On the approximately 4.000 m² large roof surface the Floraset® FS 50 drainage element was installed. These elements are particularly suitable for large roof areas with little inclination and long drainage distances.



Pre-cultivated vegetation mats were applied along the edges whereas the centre of the roof surface was planted with Sedum sprouts.

