

PROJECT REPORT



ROOF GARDEN OF PORXOS D'EN XIFRÉ, BARCELONA



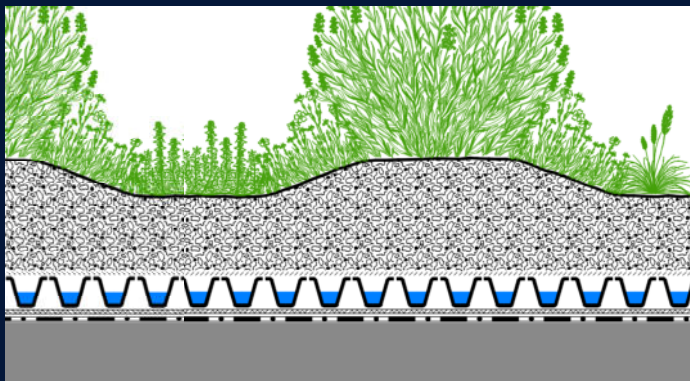
PROJECT DATA

Area: ca. 1.500 m²
Construction Year: 2019

Landscape Architect:
MataAlta Studio, Barcelona

Contractor:
Eix Verd S.L., Barcelona

System Build-up:
"Heather with Lavender" with
Floradrain® FD 40-E and
Aquafleece®



SYSTEM BUILD-UP

Vegetation according to plant list

System substrate "Roof garden"

Filter Sheet SF / Aquafleece® AF 300
with driplines
Floradrain® FD 40-E
Protection Mat SSM 45

Roof construction with root resistant waterproofing

CONCEPTION

High above the busy dockland area of Barcelona, a seemingly wild roof garden graces the historic building complex of Porxos d'en Xifré. It is a genuine attraction in Barcelona because, as the story goes, Pablo Picasso painted his very first city-scapes from this roof. The accessible roof offers a wonderful place of retreat, a world all to itself in the middle of this bustling city. The Protection Mat SSM 45 is used as the base layer of the Zinco system build-up, followed by the drainage and water storage element Floradrain® FD 40-E. After the

drainage layer which was in-stalled right across the roof, Filter Sheet SF was fitted in the pathway areas and also about 10 cm of Zincolit® crushed tiles. In subsequent planted areas, Aquafleece® AF 300 was used as the covering. Driplines are attached with velcro to this high-capillary fleece made of polyacrylic fibres at intervals of approximately 500 mm, and they are used for underfloor irrigation. Porxos d'en Xifré won the European Bauhaus Prize 2021 in the category "Preserved and transformed cultural heritage".



The drainage and water storage elements Floradrain® FD 40-E are installed across the entire roof and Aquafleece® AF 300, with its driplines, is installed in the plant areas for underfloor irrigation.



Both the Zinco roof garden substrate made from recycled crushed clay tiles and the lime mortar for the boundaries are sustainable and natural products.



How do you achieve biodiversity? Forage plants for insects and birds, nesting spaces and areas of retreat are vital for animals.

Zinco GmbH

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

