

Project Report

Hospital, Rancagua, Chile



More than just a healing environment – the hospital also offers a garden for patients.

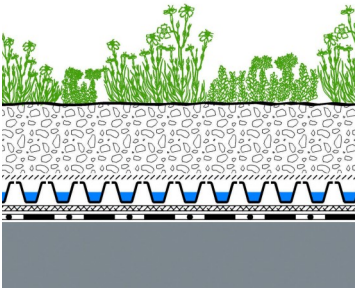
Conception

The proposed new Rancagua Regional Hospital has been designed according to the highest standards of clinical management, environmental comfort, energy efficiency, and safety. In its 90.000 m² it arises in the form of horizontal hospital, as a rectangular volume 6 stories high, where two-thirds of their medical architectural program develops within the first 3 levels. It is set in a somewhat less than 9 hectares of land, located in the city limits,

west of the city, the Alameda Bernardo O'Higgins surface; the most important route of Rancagua.

The ZinCo Floradrain® FD 25-E was laid in the total areas, some was used as lost shuttering for form works and walkways. The aim was to have a functioning drainage in all the areas, as the water outlets did not match with the landscape design. The substrate, locally produced, varies from 140 to 350 mm according to the vegetation.

System Build-up



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



Greenery is prevalent throughout the hospital. Its extensive and intensive Green Roofs not only reduce air-conditioner loading, but also offer a landscape that both the patients and hospital staff can enjoy. This external landscape integrates seamlessly and harmoniously with the interiors, creating a stress-free experience for the patients.

Project Data

Area: 10.750 m²
Construction Year: 2013–2014
Architect/Design:
Jaime Ignacio Sáez Rojas, Providencia
(Santiago de Chile)
Contractor:
Rancagua Hospital CONSORTIUM SA
System Build-up:
"Rockery Type Plants" with Floradrain®
FD 25-E
Coordinates:
34°9'18.15"S 70°46'1.34"W

Development



Floradrain® FD 25-E is used as permanent form-work for the separation between hard surface and garden.

