

Roof Garden

Project Location

Zagreb, Croatia

Project Details

Cvjetni Shopping Centre Roof Garden

Completion

April 2011

Location

Cvjetni Square, Zagreb, Croatia

Client

Hoto Group

Installed Area:

2,000 m²

Application and Product:

52mm Drainage cell was used as a efficient subsurface horizontal water management media.

Objectives:

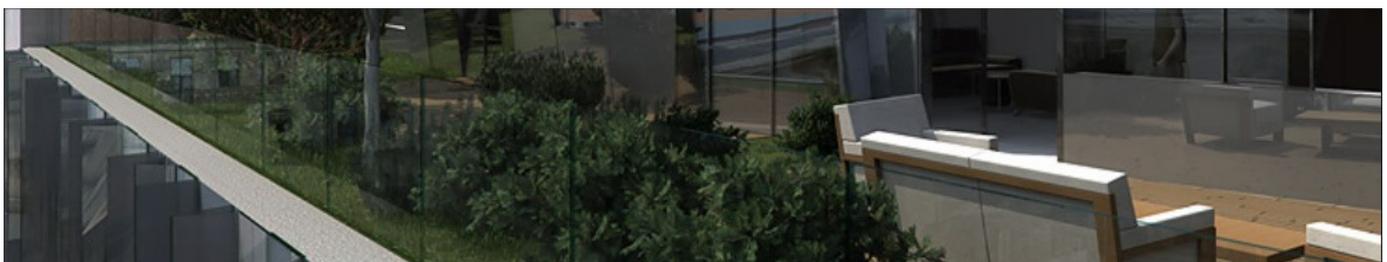
- Reduce heat island effect
- Reduce stormwater runoff
- Improve aesthetics



The Project:

The Cvjetni Shopping Centre is located in the central CBD area in the capital of Croatia Zagreb. The real objective for the client was to deliver an aesthetically beautiful building that achieved sustainable and environmental benefits to the surrounding areas.

More than 2,000 m² of drainage cell were used extensively for the roof garden and other related applications including planter boxes and podium landscaping.



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Design and Installation:

The 52mm was installed on top of a 200mm concrete slab that had been waterproofed. On top of the 52mm Drainage was placed a layer of Edifloor Geotextile, and the 50mm of sand, then the planting soil media was added. The largest proportion of the roof garden is located in the central courtyard area, which has added massive value to the development, surrounding commercial shopping centre and the exclusive residential apartments. The project looks fantastic and the solution allowed the client to maximise all available space, as well as having a tremendously positive effective on the environment.

