

Project Profile:
Meydan Shopping Centre, Istanbul



Meydan's rooftop oasis reshapes dense city landscape



Project Name: Meydan Shopping Centre
Location: Istanbul, Turkey
Client: Metro Group Asset Management
Product: FDT Rhepanol hg green roof membrane
Size: 54,000 sq m
Architect: Foreign Office Architects
Installer: ICS Ic ve Dis Tic. Ltd. Sti Yukaridudullu-Umraniye/Istanbul

FDT played a key role in reshaping the urban landscape of Turkey's most crowded city.

The vast 70,000sqm M1 Meydan Umraniye shopping and leisure complex, in Istanbul, is the country's first shopping centre to feature a green roof – at 54,000sqm the largest of its kind.

Opened to the public in June 2007, the €34m Istanbul shopping centre has been hailed as one of the most exciting additions to Istanbul in modern times. The pioneering design won the process category of the 2008 European Business Awards for Environment for the geothermic technology used throughout the building.



FDT brought more than 30 years of technological expertise to the entire roofscape with its most advanced membrane, Rhepanol hg.

Rhepanol hg was specified because it provides a completely waterproof and root-resistant cover, allowing the roof to be planted up and thus offsetting some of the development's carbon emissions.

Some 35,000sm of flat and sloping roofs were planted with vegetation, providing a much-needed rooftop green oasis for the city's 14 million residents.

The remaining 20,000sqm is gravelled to provide a public square – complete with lush vegetation and a water feature which can be used as a skating rink in winter.

Installing the build up on 70⁰ pitched areas – unusually high for green roofs – was a major success for FDT, who provided all the specification and technical support to the architect and owner

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