

**Drainage green roof
Tokyo, Japan**

Location: Tokyo, Japan
 Project owner: Maranouchu Hotel
 Date: 2008
 Product type: Enkadrain®



In Tokyo, Japan, all new buildings or buildings being renovated, with a flat roof, MUST by law be provided with a green roof. A green roof controls water discharge from the building, filters the runoff, acts as thermal insulation, is aesthetically pleasing and can attract government grants.

Another benefit of green roofs is that the vegetation absorbs airborne pollutants, thus improving air quality in suburban areas.

Excess rainwater must be drained off, since green roofs should not remain saturated for too long. For this reason Enkadrain Standard or Enkadrain Premium is often used. This three dimensional polymeric drainage structure offers a high water discharge capacity and a good load-bearing capacity.

Green roofs can range from extensive low maintenance gardens to roofs that also carry car traffic. With its combination of significant water discharge and load-bearing capacities, Enkadrain supports this multi functionality, since it can be designed to accept the superimposed loads of cars while still draining surface water away.

The ways in which Enkadrain can be used are as numerous as the designs of green roofs. So Enkadrain offers maximum flexibility in designing a green roof for virtually any application.

The information set forth in this case study reflects the best knowledge at the time of publication. The case study is subject to change pursuant to new developments and findings. The same reservation applies to the properties of the products described. No liability is undertaken for results obtained by usage of the products and information.



Colbond bv
 P.O. Box 9600
 6800 TC Arnhem
 The Netherlands
 Tel.: + 31 26 366 4600
 Fax: + 31 26 366 5812
 geosynthetics@colbond.com
 www.colbond.com
 www.colbond-geosynthetics.com