

**Environmentally-friendly banks,  
City of the Sun, Phase I**

Location: Heerhugowaard,  
the Netherlands

Project owner: Heerhugowaard Local  
Authority

Contractor: Ballast Nedam/ de Vries &  
v.d. Wiel

Date: August 2004



Above: Situation after installation and two weeks later  
Below: Three months after installation, the slopes are  
almost fully covered with vegetation



A new residential area was being constructed in Heerhugowaard in which several waterways were created. All the banks were faced with environmentally friendly bank protection by the water board.

As most of the banks are exposed to the wind they were at risk of erosion. Enkamat A20/5, a permanent erosion protection, was chosen to prevent the erosion and the resulting damage to the slopes.

Enkamat A20/5 is a three-dimensional polyamide mat structure filled with 2-6 mm chippings and sealed with bitumen.

Before the mat was installed, the slope was smoothed and seeded. The Enkamat A20/5 started having an effect immediately after it had been laid and was well covered in vegetation after approximately three months.

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.



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