



**Environmentally-friendly banks  
Galjoen Zuid**

Location: Lelystad, the Netherlands  
 Project owner: Municipality of Lelystad  
 Contractor: Eggengoor bv  
 Product type: Enkamat A20  
 Completion: October 2006



Above: Creating the channels at the top and bottom of the slope  
 Below: Fitting of Enkamat A20



To the west of the municipality of Lelystad, near Batavia Stad, a new residential area was developed.

One of the first tasks ahead of house building, road construction and landscaping, and in addition to laying cables and pipelines, was the creation of the watercourses.

As the subgrade consisted mostly of sandy, clay-like material, the banks of the watercourses were susceptible to erosion. The Lelystad municipal authorities decided to use Enkamat A20 to fight this erosion.

Enkamat A20 is a polyamide three-dimensional, structured mat filled with stone chippings and bitumen which prevents erosion on slopes.

The slopes were sown first before the mats were laid over the top. A micro-climate is created under the mats which enables the grass or bank vegetation to germinate quickly.

The mat comprises more than 40% voids, so is water permeable but soil-tight. This provides the vegetation with ideal growing conditions and ensures an attractive end result —

**A perfect, solid bank.**

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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