

Geomembranes for storing and separating liquids

Ever since its establishment in 1951, Genap has been involved in many civil engineering projects globally. With HQ in the Netherlands and production facilities in multiple countries (Mexico, Canada, Kenya, India) Genap provides solutions locally. Director Dick van Regteren has been the owner and director of Genap since 2007 and is passionate about his company: "Our global company is dedicated to the development of geomembrane solutions. And we do it all under the same roof, including our own in-house laboratory and engineering departments."

Genap focuses on using geosynthetics in projects to store and separate liquids, especially water. Van Regteren explains: "In the Netherlands, we work on many large civil engineering projects. For example, we cover landfill sites with our geomembranes, or we install membrane structures in road construction to separate them from groundwater." Genap's geosynthetics form an artificial barrier. "For in places where there is no natural barrier for the storage or separation of (liquid) substances, you have to come up with a different solution. We have realized many wonderful, pioneering projects in that respect. A good example is a project at the largest landfill site in the Netherlands. At Derde Merwedehaven in Dordrecht, we installed various types of geo-membranes and drainage mats to build a final landfill closure system."

Separation of liquids

Genap can apply geomembranes in both dry and wet conditions. This is unique in the market. "In a wet excavation pit, we can submerge not only geotextiles and geosynthetic membranes but also bentonite matting in a coordinated fashion. This creates an artificial barrier between water and soil. Or between dirty and clean liquids. For example, we were commissioned by Van den Herik Hydraulic



Final closure system of landfill site Derde Merwedehaven Dordrecht



Geomembrane structures for four tunnel ramps "in wet conditions."

Engineering to install a membrane structure that acts as a separation barrier in a reservoir for the production of drinking water."

The best solution for every project

At Genap everything is based on the customer's request. What is the exact request and which solution fits best? "Of course, we have our regular suppliers, but we assess each project to see what the requirements are and adapt accordingly. Ultimately, you don't want to rely on a single product, but on a best-practice solution."

Sustainability is also important to Genap. As such, the company uses as many sustainable, long-lasting products as possible. "By doing so, we prevent the further spread of microplastics and pollution. We therefore work closely with certified institutions to ensure that sustainable products are also guaranteed in the supply chain."

We are the only ones in the Netherlands to apply geosynthetics in both wet and dry conditions.

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