

Membranes and geotextiles for water storage in horticulture

Genap



For the storage of water in tanks and ponds in the horticultural sector, Genap uses various types of membranes and woven fabrics.

Genatex®

To protect the geosynthetic membrane from perforation in the pond or tank

- Genatex® 700 slope protection / anti-algae tensioned cover
- Genatex® 250 floor and wall felt

Genatex® 700

A black UV-resistant PP fabric is used to protect the slope of a water pond. The material is permeable to wind and water but largely blocks harmful sunlight. The fabric weighs approximately 200 g/m² and is also used in anti-algae tensioned covers.

Genatex® 250

To protect the plastic membrane from sharp objects in the walls or bottom of the pond or tank, we use a 250 g/m² PP non-woven felt. This material combines low weight with high puncture resistance, providing optimum protection for the membrane.

Aquatex®

A complete collection of unreinforced membranes

- Aquatex® EX
- Aquatex® PVC
- Aquatex® Extreme
- Aquatex® EPDM
- Aquatex® PE

Aquatex® membranes have a sealing function to be able to store water in a pond or tank. In order to compare the materials, the main properties and applications are listed in the enclosed table.

Would you like more information?

Go to genap.nl/en or contact us directly to discuss the options.



Material properties and applications plastic membranes



Material Property	Aquatex EX®	Aquatex® PVC	Aquatex® Extreme	Aquatex® EPDM	Aquatex® PE
Material	fPO	PVC-P	PVC-P	EPDM (Rubber membrane)	fPO
Thickness [mm]	0.6 - 1.0	0.5 - 1.0	0.70	0.75 - 1.02	1.0
Weight [g/m ²]	550 (0.6 mm)	650 (0.5 mm)	900	900 (0.75 mm)	950 (1.0 mm)
Plasticizer	–	✓	✓	–	–
Temperature resistance					
• Heat	+++	+	++	++++	+++
• Cold	+++	+ / -	+ / -	+++	+++
UV resistance	+++	+	++	+++	+++
Chemical resistance	+++	+	++	+++	+++
Certificates					
• Kiwa (BRL-K519)	–	✓	–	–	–
• HA (Kiwa / drinking water)	–	✓	–	–	–
• NSF/ANSI 61 (drinking water)	–	–	–	–	–
Repair options					
• Welding (blow dryer)	✓	✓	✓	–	✓
• Adhesives	✓	✓	✓	✓	–
• Repair tape	✓	✓	✓	✓ (vulcanizing tape)	✓
Pond lining	✓	✓	–	✓	✓
Tank lining	✓	✓	✓	✓	✓
Rainwater	✓	✓	✓	✓	✓
Recirculation water	✓	–	✓	✓	✓
Chlorinated water	–	≤1 ppm	≤3 ppm	≤1 ppm	≤1 ppm