

Aquatex[®] Extreme

Silo liner with reinforced hem



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Especially for storage of different types of water in areas subject to high UV-exposure, we supply a special geomembrane: Aquatex[®] Extreme.

This high-grade, white PVC membrane unites high UV-resistance with the possibility of storing up to 3ppm. chlorofied water.

Aquatex[®] Extreme silo liners are furnished with a reinforced, green Genatex[®] 900 Plus hem including rings.

This edge of ± 50 cm is welded to the silo liner by means of high-frequency welding technique, which guarantees an extremely strong and smooth fusion.

Furthermore, a nylon rope is applied within the reinforced hem for maximum durability.

Sail hooks and dralon cord bundles for securing the silo liner to the outside of the silo are included in the delivery.



Technical Datasheet

Aquatex[®] Extreme

Data	Norms	Units	Specification
Material			Polyvinylchloride (PVC-P)
Thickness	EN 1849-2	mm	0.75 ±5%
Color			white
Weight		g/m ²	± 950
Density	EN ISO 1183 ASTM D 792	g/cm ³	1.24 ±5%
Tensile strength	EN ISO 527	N/mm ²	≥ 16
Elongation at break	EN ISO 527	%	≥ 280
Tear resistance	ISO 34	kN/m	≥ 40
Remarks			UV stabilised; chlorine resistant (≤ 3 ppm)



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Aquatex[®] Extreme Product-presentation for Water storage systems

1. **General information**

Aquatex[®] Extreme is a homogeneous, on PVC-P based white geomembrane. The material is especially qualified for applications with high requirements in respect to UV resistance in combination with a moderate chemical resistance. The membrane can be applied in combination with chlorine up to a maximum concentration of 3 ppm.

2. **Areas of application**

Aquatex[®] Extreme is qualified for application in the following areas:

- Horticulture; especially export (areas with high UV radiation)
- Industrial market
- Infrastructural projects

3. **Product description**

Aquatex[®] Extreme is by it's specific characteristics applicable for the following products; f.e.:

- Reservoir lining for storage of: rain- clean and chlorinated water (max. 3 ppm)
- Tank lining for storage of: rain- clean and chlorinated water (max. 3 ppm)
- Lining for reservoirs, basins and tanks for storage of drainwater; in combination with chlorine there's a higher risk of accelerated ageing of the membrane at lower pH values (pH < 5)



Technical Datasheet

4. **Surplus value arguments**

Aquatex® Extreme has the following characteristics:

- Membrane thickness: 0.75 mm;
- Tensile strength ≥ 16 N/mm²; Tear resistance ≥ 40 N/mm;
- Elongation at break ≥ 280 %;
- Easy to install due to high flexibility
- Good weldability and the possibility of glueing
- Lifespan expectation worldwide: 7 years (depending on geographic location and circumstances)

5. **Benefits**

- Repairability by means of glueing
- High(er) resistance with respect to chlorine in comparison to other geomembranes
- Long lifespan expectation under extreme circumstances (high UV and temperature load)