

Technical Datasheet

Aquatex® EX 0.6 mm

Data	Norms	Units	Specification
Material			Polypropylene (PP)
Thickness	DIN EN 1849-2	mm	0.6
Color			black
Weight		g/m ²	± 530
Density	DIN EN ISO 1183-1	g/cm ³	0.90
Tensile strength (L/T)	DIN EN ISO 527	N/mm ²	24
Elongation at break (L/T)	DIN EN ISO 527	%	800
Tear resistance (L/T)	ISO 34 methode B	N/mm	70
Cold resistance (folding)	DIN EN 495-5	°C	< -60

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AQUATEX EX[®]

Product-presentation for Water storage systems

1. **General Information**

Aquatex EX[®] is a homogeneous, polyolefin based geomembrane. The material is particularly suitable for applications in which high demands are required for temperature and UV resistance combined with a high chemical resistance.

2. **Market Areas**

Aquatex EX[®] is suitable for use in the following market areas:

- Agriculture and horticulture market
- The industrial market
- Infrastructural projects
- Building and construction
- The environmental sector
- Export

3. **Product Description**

With its specific properties, Aquatex EX[®] can be used for a wide range of products, such as:

- Basin and tank linings for water storage (clean- and recirculation water) in horticulture
- Liners for emergency basins/fire extinguishing basins and industrial waste water.
- Floating covers on basins.
- Linings for industrial water and sludge (refer to list of resistance to chemicals)

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4. Added value Arguments

Aquatex EX® has a range of unique properties allowing applications under specific conditions.

- Temperature resistance from -40°C to 80°C; (80°C max. 48 hours; longterm temperature resistance: max 55°C)
- Low specific weight (0.9 kg/m²);
- Tear resistance (L/T): > 45 N/mm; Tensile strength (L/T) >18 N/mm²;
- Elongation at break (L/T): > 750%;
- High UV resistance
- High puncture resistance.
- Good chemical resistance;
- Easy thermal welding; well repairable;
- No plasticizers.
- Life time expectation: 10- 15 years (depending on the circumstances)

5. Advantages

- Less chance of frost damage;
- Less chance of wind damage at tank liners;
- Easy to work with at lower temperatures;
- Longer guarantee term;
- Light material: easier to install;
- Good price / life expectation ratio.