

Technical Datasheet

Aquatex® EX 1.0 mm

Data	Norms	Units	Specification
Material			Polypropylene (PP)
Thickness	DIN 53370	mm	1.0 ±5%
Color			black
Weight	g/m ²	± 960	
Density	ISO 1183-87	g/cm ³	0.90 ±0.01
Tensile strength (L/T)	DIN EN ISO 527	N/mm ²	> 18
Elongation at break (L/T)	DIN EN ISO 527	%	> 750
Tear resistance (L/T)	DIN 53515	N/mm	> 45
Puncture resistance	FTMS 101C	N	> 120
Cold resistance (folding)	DIN EN 495-5	°C	< -40

Technical Datasheet

AQUATEX EX[®]

Product-presentation

Water storage system

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)

Technical Datasheet

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 thermall welding; well reparable;
- 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.