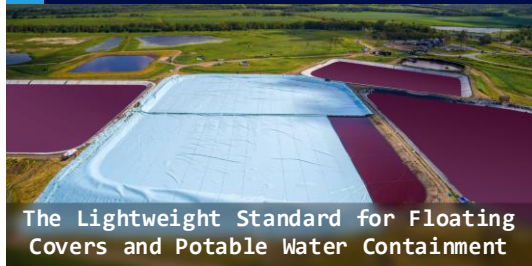


GALE
COMMERCIAL

Aquacon™

Product Profile



The Lightweight Standard for Floating Covers and Potable Water Containment

Aquacon™ is a high-performance reinforced polyfabric engineered for large-span prefabrication and liquid containment. This potable-water-safe solution provides a durable, high-buoyancy barrier specifically designed for agricultural, industrial, and municipal storage applications.

Features and Benefits

- **Potable Water Certified:** Fully compliant with AS/NZS 4020 and NSF/ANSI/CAN 61 standards, ensuring non-toxic for drinking water and fire protection systems.
- **Superior Buoyancy & Handling:** High strength-to-weight ratio to float naturally, while lightweight construction and lay-flat characteristics streamline transport and prefabrication.
- **GALE Advanced Coating Technology™:** Class-leading adhesion and superior resistance to flex-cracking, utilizing dirt-repellent LDPE coating that naturally sheds debris.
- **Extreme Resilience:** Developed and coated in Australia, performing reliably from -40°C to +70°C (-40°F to +158°F) without cracking, warping, or losing structural stability.
- **Eco-Friendly & Safe:** A 100% recyclable, lead, BPA, and phthalate-free material that requires no plasticisers, preventing environmental leaching into stored liquids.



10 Year Warranty



Recyclable HDPE



Approved for Drinking Water
AS/NZ 4020



BPA FREE



Lead & Phthalate Free



PFAS Free



ADVANCED
TEXTILES
ASSOCIATION

For more information, visit galecommercial.com

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Technical Specifications

Fabric Properties		
	Metric - AS 2001.2.13 (mass per unit)	Imperial
Nominal Fabric Mass	345 gsm ± 20	10.2 oz/yd ²
Approx. Thickness	0.45 mm	0.02 in
Temperature Range	-40°C to +70°C	-40 °F to +158 °F
Roll Specifications		
	Metric (mass per unit)	Imperial (mass per unit)
Nominal Width (unfolded)	2.05 m	6 ft 9 in
Length	1350 m	4429 ft 1.6 in
Approx. Roll Weight	950 kg	2094 lbs
Approx. Roll Diameter	0.85 m	2 ft 9.5 in
Core Diameter	154 mm	6.06 in

Performance Data

Breaking Force and Elongation at Break – Method 1 (AS 4878.6-2001)	
Breaking Force – Warp	1516 N/50mm
Elongation at Break – Warp	19.5 %
Breaking Force – Weft	1485 N/50mm
Elongation at Break – Weft	20.5 %
Tear Resistance – Single Tear – Method A2 (AS 4878.7-2001)	
Wing Tear – Warp (Median)	135 N
Wing Tear – Weft (Median)	137 N
Bursting Strength – Hydraulic Diaphragm Method (AS 4878.5-2001)	
Bursting Strength (Mean)	3300 kPa
Resistance to Water Penetration (AS 2001.2.17-1987)	
Hydrostatic Pressure Test (Mean)	>250 kPa
Resistance to Damage by Flexing (Schildknecht Method) (AS 4878.9-2001)	
Flex Cracking Resistance	< 200,000 cycles

*Flex Cracking Resistance requires test.

Usage & Care

Suitable for hot air and hot wedge welding; not suitable for high-frequency welding. Fabric is not guaranteed to be 100% block-out. Do not use near open flames. Avoid contact with organic solvents, halogens, or highly acidic substances, as these will reduce service life and void the warranty.