



Use Jalseal for Better Yield

The leader  
in the field





Looking for everlasting ponds, then no look no further. Here comes **Jalseal**, an ISI certified multi layered geo membrane for your ponds.

This eco-friendly pond liner is an engineering marvel, developed using the latest polymer technology.

**Jalseal** is a multilayered pond liner, where strong woven fabric is bonded with a multilayer film to make it highly hydrostatic resistance.

#### Jalseal offers

- an exceptionally high hydrostatic resistance to hold millions of litres of fluids.
- offers watertight seal panels, making it extremely effective in water retention and containment applications.
- puncture and abrasion resistant and can stand up to the toughest installation
- high tensile and tear strength
- UV resistance
- Low maintenance and environmental stresses

#### AN ISI APPROVED PRODUCT UNDER IS 15351:2015

**Jalseal** can be widely used in many applications like pond lining, canal lining, hazardous solid waste landfills, oil & chemical containment, environmental control and for many other agricultural uses.

#### Some of its Exciting Features are:

- It is designed for optimal welding temperature and speed to create exceptional seams.

- It is 24 mil (0.61 mm) thick
- It has a polyolefin blend surface film which allows for outstanding thermal fusion welding.
- Its flexible construction enables efficient seaming of a wide variety of panel shapes and sizes.
- It has a very high tensile and tear strength.
- It is puncture, abrasion and chemical resistant
- It has a very high hydrostatic resistance.
- All layers contain UV protection
- It is Non-toxic, no PVC or any other hazardous materials has been used in the geo membrane. It is safe for potable drinking water.
- It has UV making it ozone and oxidation resistance

#### EXCEEDS Industry Standards

IS 15351:2015 compliant

#### Provides Warranty Protection

10-years buried, 5-years exposed

#### Jalseal Applications

##### Containment:

- Agriculture & Aquaculture Ponds
- Mining & Energy
- Secondary Containment
- Wastewater Lagoons
- Landfill Covers

##### Retention:

- Golf Course Ponds
- Stormwater Management
- Irrigation Storage
- Canal Liners
- Potable Water Reservoirs





## HDPE Pond Lining Geo Membrane-500 Micron.

Sr. No	Property	Unit	Method	Value	
1	Thickness	Mm	IS : 7016 (Part-1) /ASTM D 1777	0.50 (min)	
2	Weight	GSM	ASTM D 5261 / IS : 7061 (Part-1)	440	
3	Breaking strength	N,Min	Is 13162 ( Part 5)	wrap	6600
				Weft	6000
4	Tear Resistance Test	N, Min	Method -A1 of IS 7016 (Part 3)	250	
5	Puncture resistance	N Min	IS:- 15351 : 2015 & Annex D	500	
6	Bursting strength (Ball Burst)	N/cm <sup>2</sup> ,Min	IS : 7016 (Part 6)	110	
7	Hydrostatic Resistance	Kg/cm <sup>2</sup>	IS: 15351: 2015 Annex -E	No Leakage at 15kg/cm <sup>2</sup>	
8	Hydrostatics Resistance after UV exposer of 1000 H	Kg/cm <sup>2</sup>	Is: 15351 : 2015 of Annex B & Annex E / ASTM G 154	>90% of the actual original value	





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**GULNAR**

*Think Innovations... Think Us*

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