



IS 15351 : 2015



WEAVING TRUST & STRENGTH



INDO - USA
TECHNOLOGY



CULTIVATING TECHNOLOGY FOR NEW INDIAN AGRICULTURE BUSINESS



OZOMAT is an impermeable multilayered HDPE Geomembrane used for an effective tool against seepage in canals, ponds and reservoirs. It also avoids depletion of stored water used for drinking & irrigation purposes. It is an effective and economic method to harvest rainwater for supplementary irrigation, Pisciculture, Livestock and other domestic purposes.

OZOMAT Geomembrane is made under strict quality control, internal technical staff and R&D centre have given **OZOMAT** Geomembrane the unique ability to provide the customers with various kinds of technical data which are essential for sound design and installation of the Geomembranes.

Performance is Always Greater Than The Words

GEOMEMBRANE APPLICATION

LANDFILL

The primary purpose of an **OZOMAT** Geomembrane in a landfill is to protect the groundwater from being contaminated. **OZOMAT** Geomembranes are resistant to most wastes and exceed the requirements of impermeability. Hazardous waste landfills require double-liners and leachate collection / removal systems. Sanitary landfills may require a single liner with a leachate collection / removal system.



POND LINERS

The clean water act has required most publicly operated wastewater treatment plants to install lagoon liner systems to prevent contaminants from entering groundwater sources or streams. In addition, the use of **OZOMAT** Geomembrane Liners in potable water reservoirs conserves millions of tons of water annually by preventing seepage loss. Pond liners can also be used in applications such as golf courses, amusement parks, resorts, agriculture and aquaculture.

CANAL LINERS

OZOMAT Geomembranes are viable alternatives to concrete and compacted earth for lining canals to reduce seepage. **OZOMAT** Geomembrane can be used as an expedient method to repair existing deteriorated concrete linings.





MINING

The use of **OZOMAT** Geomembrane may result in more productive mining. New processes involving the heap leach method of precious metal extraction using chemical solutions have resulted in low cost extraction from low grade ores. The use of flexible **OZOMAT** Geomembrane prevents the contamination of the soil and groundwater by these chemical solutions.

SECONDARY CONTAINMENT

Tank farms are lined to prevent groundwater contamination in the event of a chemical spill. The secondary containment system can be placed on concrete or directly on the ground. These liner systems for secondary containment can be very sophisticated utilizing elaborate attachments to tanks and other structures. In other cases, Geomembranes protect simple earthen impoundments and dikes. **OZOMAT** Geomembrane plays the most important role in Secondary Containment.



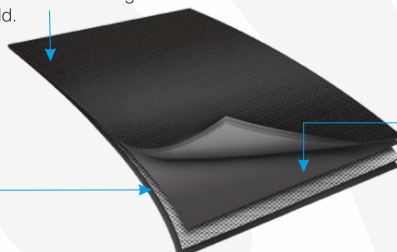
KEY FEATURES

- **OZOMAT 500** comes with a 10 years buried & 5 years exposed warranty.
- **Cross-X** film technology offers an exceptionally high hydrostatic resistance.
- Engineered coating technology offers peel strength & heat seaming resistance.
- Excellent tensile and tear strength.
- Ease of welding at low temperatures.
- Special UV stabilizers and antioxidants designed for an extended long term exposure
- Premium grade of carbon black is utilized to deliver superb UV resistance in exposed applications.
- Outstanding chemical resistance.

CROSS-X FILM TECHNOLOGY provides special characteristics like superior coefficient frictions, welding strength, peel strength, higher hydrostatics and reduces stress cracking which makes it easy to weld in the factory or field.

ENGINEERED LLDPE/LDPE COATING

for flexibility, chemical resistance, superior bonding & protection against UV radiations.



KEY USAGE AREAS

- Agriculture & Aquaculture
- Pond Liners
- Landfill
- OilField Pit Liners
- Remediation Liners
- Canal Liners
- Water Prolong Systems
- Landscaping
- Mining & Energy
- Secondary Containment
- Wastewater Lagoons
- Golf course & Decorative Pond Liners

HDPE HIGH STRENGTH WOVEN FABRIC

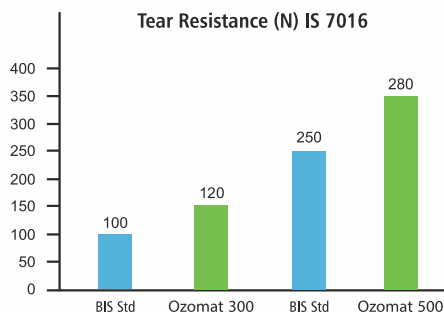
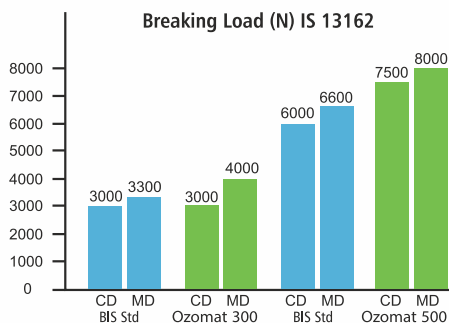
for superior tensile strength, tear strength & dimension stability.

TECHNICAL PROPERTIES

Properties	Test Method	OZOMAT 500
Product Weight		440 Gsm +/- 3%
Thickness		600 Micron +/- 50
Breaking Strength	Is 13162 (part 5)	Md 8000 N / Cd 7500 N
Tear Strength	Method AI of IS 7016 (P3)	Md 150 N / Cd 280 N
Hydrostatic Resistance	Annex E of IS 15351	No Leakage @ 25 Kg / Sq. Cm
UV Weathering	Astm G 154	>90% @ 2000 Hrs of Exposure
Hydraulic Conductivity	Astm D 4491	0.0 cm/s No Flow
Bursting Strength	IS 7016 (Part 6)	110
Puncture Resistance	Annexure D of IS 15351	500 N
Low Temp. Flexibility	Astm D 2136	-50 Deg C.
Limited Warranty Exposed		05 Years
Limited Warranty Buried		10 Years

PRODUCT SPECIFICATIONS

Type	Thickness(micron)	GSM	Color	Available Roll Width
I	300	250	Black/Black	Up to 12 Feet
II	500	420	Black/Black & Sky Blue	Up to 12 Feet
III	750	650	Black/Black	Up to 12 Feet
IV	1000	950	Black/Black	Up to 12 Feet



Indian Technofarm Agribusiness Pvt. Ltd.

SA-306, Jai Govind Complex, Khajane Walo Ka Rasta, Near Indira Bazar, Jaipur-302001

Contact : 9829274702, 9571891894, 9571891891, 9571891895, 9166807641

E-mail : technofarmindia@gmail.com, shriorganicfarming@gmail.com | Website : www.itapl.in, www.shriorganicfarming.com