

WATER STORAGE SOLUTIONS

PRODUCT PRESENTATION



LVJ Group

- Started in 1985 by Indian Technocrats and Entrepreneurs.
- Building Infrastructure projects for semi governmental, governmental and private bodies in the field of irrigation, fertilizer, railways, roads etc.
- Tied up with DWSI in 2011 for marketing and manufacturing water storage solutions

DWSI Background

- Started in 2008 by Dutch and Indian Entrepreneurs.
- Promoting Dutch Water Expertise dedicated for India

Water Storage Systems by Genap

- GENAP Established in 1951
- Silos and Reservoirs
- Specialise in Synthetic Foil Products
- Anti Algae Systems
- Drinking Water Solutions
- Bank Protection

Operations:

- Production facilities & engineering in NL
- Working closely together with local dealer organisations
- Since 2009 sales office in Gujarat (India): DWSI.

Volume:

- 10 million m² of membranes per year
- Export to 60 countries: 50 % of turnover.
- Working on all continents worldwide



Steel Tank

Steel Plates:

- Zincrolyte / Zincrolyte-Plastisol coated with a Liner to hold Water in 5 capacities : 50KL, 100KL, 250KL, 500KL & 750KL
- Diameters 5.36m, 7.37 m, 12.06m, 16.75m and 20.10m
- 3 Stage high and 2.28 m height tanks for Indian market

Liners:

Aquatex® :

- Liner(Black-PO) for Clean water, Rain water and Drain water (in horticulture with minerals and nutrients)
- Open systems with Silofloat® floating cover

Genaflexstore:

- Closed water storage System forming a sealed unit
- No algae growth and water contamination
- No External influence

Steel Plates(Outer Body)

- Galvanised Sheets used with high mechanical strength, of 0.8mm thickness. 3 stage high which comes upto 2.28 m height used for Indian Market
- The Sheets are made of Zinc Aluminum Alloys with Zyncrolite coating.
- Extra factory sprayed Plastisol (vinyl) coating possible.



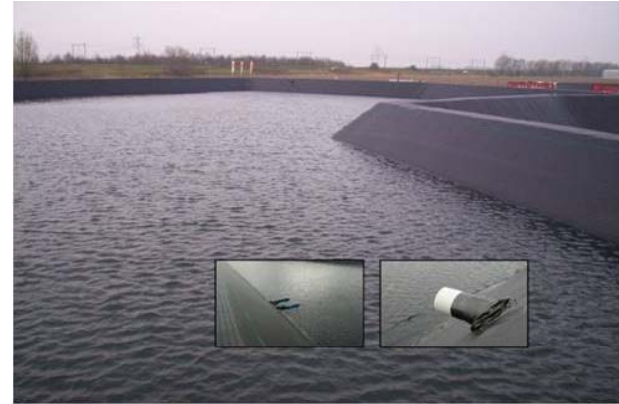
Protective Blanket

- Polyester Non Woven 300gm/m² blanket as protective blanket between the tank wall and the liner.
- Extra Polyester non-woven 500 gm/m² blanket for the bottom when placing on a concrete floor and/or surface with poor load-bearing characteristics/rough surface.



Aquatex- EX Liner

- Aquatex[®] EX is a polyolefin-based homogenous foil
- This material is particularly suitable for applications in which high demands are made for resistance to temperature and UV light combined with High Chemical resistance
- This material is also available with reinforcement (Fabrics)



Aquatex- EX Liner Market Areas

- Aquatex[®] EX can be used for a wide range of products
- Basin linings and tank linings
- Basin linings(top covers and bottom linings) and tank linings for manure storage
- Liners for emergency basins/fire extinguishing basins and industrial waste water
- Floating covers on basins (reinforced Aquatex[®] EX)
- Linings for industrial water and sludge (refer to list of resistance to chemicals)

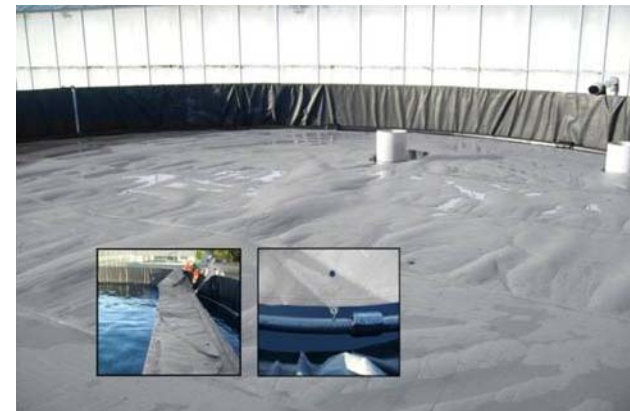


Anti-Algae Tension Cover

- Basically a Cover system for Water Silos.
- Made of Tape/Monofil woven.
- Has Reinforced Hem all round with sheet rings.
- Water-permeable & excludes Dirt and Light.

Two Versions

1. Oversized tensioned sheet for both Indoor & Outdoor use.
2. Floating Sheet with edge, rings & cord.



Outlets

- Conical outlets for every pipe: PVC, PE, Steel etc.
- Made from Aquatex EX / Aquatex PVC.
- The outlets are prewelded in the liner at any predecided point.



Concrete Vs. Membranes

Tradition: Use concrete to store water or keep water out

- More difficult to build
- After some time algae formation
- Damage when biological materials inside
- Closed system requires strong structure
- No protection against smell

Membranes can be used without concrete construction (reservoir) or with standard metal construction (tank).

- Easier to build → less expensive
- Many more shapes possible
- Good solutions to cover, also in large surfaces
- Anti-algae material
- Smell protection is feasible
- Certain membranes can also be used to filter

Advantages

1. Storage capacity: higher than plastic tank
2. Solid: good quality material, firmness of the shape.
3. Long life time: controlled manufacturing with option for additional coating
4. Fast installation: 1-2 days only, also in remote places
5. Easy to cover to prevent algae growth
6. Reasonable Pricing
7. Easy to work with lower temperatures
8. High Chemical resistance

Market Areas

Horticulture / Agriculture

- Store water for plants/flowers when supply is not regular
- Capture rain-water
- Re-use waste water

Infrastructure/Environment

- Raw Water Storage for processing industries
- Water storage for power plants
- Construction Sites
- Drinking Water

Reservoir/Ponds

- Recreation
- Breed fish
- Fire fighting

Ample choice in diameters and heights

- Diameters: from 1.82 till 30.95 meter
- Heights: 2.36m - 3.12m- 3.88m.
- Also, height 4.64m (till ø14.57m).

For India 5 standard sizes, All height of 2.28 meter

- Ø 5.37m → 50,000 liters
- Ø 7.92m → 100,000 liters
- Ø 11.42m → 250,000 liters
- Ø 16.12m → 500,000 liters
- Ø 20.15 m → 750,000 liters

























THANK YOU FOR YOUR
ATTENTION!