



**WINFAB Geotextile Tubes** are an efficient, economical, and flexible technology to provide solutions to the Construction, Environmental and Marine markets.

Geotextile tubes used for dewatering &/or sludge removal offer an alternative to wet hauling, sludge lagoons, sand drying beds and other mechanical methods. WINFAB Geotextile Tubes are a simple and high capacity solution to capturing sediment and clarifying water. WINFAB Geotextile Tubes easily separate solids from sludge. The cost is low compared to traditional dewatering solutions, simple in concept, and capable of high capacity.

Geotextile tubes used for Marine structures protect against storm activity, dissipate wave energy, protect land areas and prevent erosion.

## BENEFITS

- Cost effective and low maintenance compared to traditional technologies
- High capacity retention of solids
- High effluent discharge dewatering capability
- Custom sized for specific applications to improve the efficiencies of project foot prints
- Optimize land usage

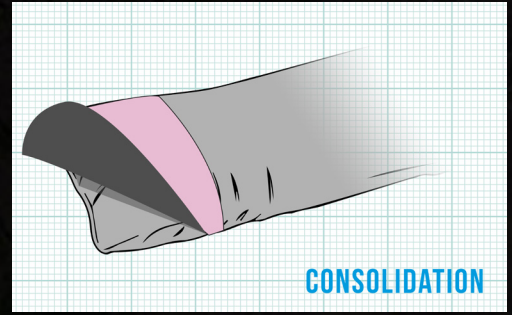
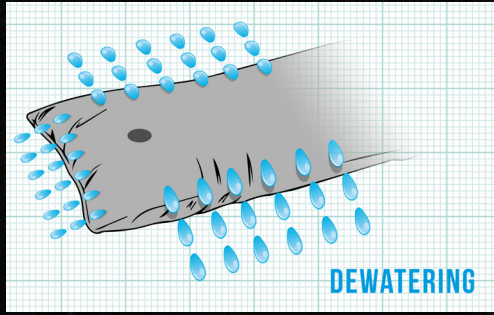
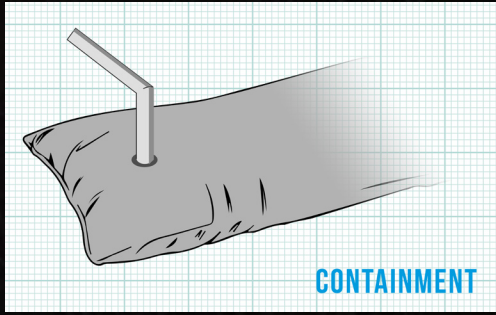
## PRODUCT APPLICATIONS

- Sludge Dewatering
- Shoreline Protection
- Marine Dredging
- Marine Structures
- Waste & Sludge Lagoons
- Waste Water & Water Treatment
- Agriculture / Animal Waste Management

## INDUSTRIES SERVED

- Construction
- Transportation
- Marine
- Mining
- Water Treatment
- Waste Water Treatment
- Pulp and Paper
- Food Processing
- Agriculture





**Containment** - Sludge or silt is pumped into the WINFAB Geotextile Tube.

**Dewatering** - Contaminant is filtered out and clean effluent water escapes from the tube.

**Consolidation** - Solids are contained for utilization or disposal. Up to 95% of the contaminants are captured.

Captured solids can be disposed of or repurposed. Floculents can be used to fortify the process, but are not required.

| Geotextile Tube Circumference (feet) | Estimated Dewatering Volume (Cubic yards per linear foot) |                   |
|--------------------------------------|---|-------------------|
|                                      | Silt and Organics   | Sand and Minerals |
| 15                                   | 0.54  | 0.50              |
| 22.5                                 | 1.26  | 1.12              |
| 30                                   | 2.07  | 1.77              |
| 45                                   | 3.78  | 3.19              |
| 60                                   | 5.76  | 4.83              |
| 75                                   | 4.92  | 6.72              |
| 90                                   | 10.39   | 8.32              |
| 120                                  | 14.60   | 12.3              |

| Geotextile Tube Circumference (meters) | Estimated Dewatering Volume (Cubic meters per linear meter) |                   |
|--|---|-------------------|
|  | Silt and Organics   | Sand and Minerals |
| 4.57                                   | 1.35  | 1.25              |
| 6.86                                   | 3.16  | 2.8               |
| 9.14                                   | 5.19  | 4.4               |
| 13.72                                  | 9.53  | 8                 |
| 18.29                                  | 14.55   | 12.1              |
| 22.86                                  | 19.82   | 16.9              |
| 27.43                                  | 26.09   | 20.9              |
| 36.6                                   | 36.62   | 30.8              |



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