



**ULTRATECH**  
INTERNATIONAL, INC.



## Ultra-Filter-Tex®

State-of-the-art, high-performance sorbent, and filter media for both stormwater management and oil spill applications

Ultra-Filter-Tex® has a variety of uses as it pertains to stormwater and clean-up applications. It is made of a proprietary blend of fibers that are treated and naturally absorb oils and greases from water while allowing water to flow through the material. Ultra-Filter-Tex® will hold onto the oils and greases and will not release them back into the water.

Ultra-Filter-Tex® material is also an exceptional tool for oil spill clean-up. The rolled fabric is different than polypropylene in that it allows water to instantly filter through the material and pulls off the oil selectively as the material is hydrophilic. Polypropylene repels the water and this can make it take longer for the oil to be readily absorbed in a surf environment where the oil is no longer a surface sheen, rather it is being broken up in the surf.



### Product Highlights

- + Produced from recycled synthetic fibers.
- + Utilizing state-of-the-art technology, materials are blended and processed into a lightweight fiber mass with an enormous surface area and interstitial spaces creating a high-performance sorbent and filter media.
- + Designed for use as a durable long lasting geotextile and filter media.
- + Allows large volumes of water to pass through while sorbing liquid hydrocarbons, including petroleum, animal and vegetable oils.
- + Cost effective—absorbs an average of 13 times its own weight of liquid hydrocarbons.
- + Great for use in oil/water separators, stormwater and wastewater filtration systems and water “polishing” applications.
- + Approximately 85-90 % of sorbed oils can be reclaimed from Ultra-Filter-Tex® and the media reused.
- + Ultra-Filter-Tex® is environmentally benign and user-friendly. It does not leach harmful substances into the environment and when incinerated produces minimal residue or ash.

Part#	Model	Overall Dimensions ft. (m)	Absorption Capacity gal. (L)	Weight Lbs. (Kg)
9310	Ultra-Filter-Tex, Full Roll	250 x 5 (76.2 x 1.5)	1.5 (5.7) per sq. yd. - 6.70 L per sq. m.	125 (56.7)
9314	Ultra-Filter-Tex, Half Roll	250 x 2.5 (76.2 x 0.8)	1.5 (5.7) per sq. yd. - 6.70 L per sq. m.	63 (28.6)

## APPLICATIONS

- Ultra-Filter-Tex has a variety of uses as it pertains to Stormwater and clean up applications. It is made of a proprietary blend of fibers that are treated and naturally adsorb oils and greases from water, while allowing water to flow through the material. Ultra-Filter-Tex will hold onto the oils and greases and will not release them back into the water.
- Due to Ultra-Filter-Tex's selective affinity for lipophilic ("oil attracting") it is very efficient in removing hydrocarbons from water.
- Ultra-Filter-Tex® excels as a spill removal media capable of sorbing liquid hydrocarbons, including petroleum, animal and vegetable oils onto its vast fiber mass surfaces and into process-created interstitial spaces.
- When used as a filter medium, water passes freely, while adsorption of target hydrocarbons begins on contact. Ultra-Filter-Tex is extremely efficient due to the enormous lipophilic surface area of the altered fibers.
- Ultra-Filter-Tex works well as a fibrous supporting matrix for other water conditioning materials such as selective zeolites, activated carbon, zero-valent iron filings, etc. Ultra-Filter-Tex can be 'conditioned' to remove specific chemical compounds.
- Ultra-Filter-Tex® is cost effective in comparison to many conventional filtering media, adsorbing/absorbing an average of 13 times its own weight of liquid hydrocarbons.
- Approximately 85-90 % of sorbed oils can be reclaimed from Ultra-Filter-Tex and the media reused, through a press or centrifuge.
- Ultra-Filter-Tex® forms into cohesive mats or "wads" which can easily conform to various applications or filter devices.
- Ultra-Filter-Tex® is environmentally benign and user-friendly. It does not leach harmful substances into the environment and when incinerated produces minimal residue or ash.

