



## Ultra Filter-Tex Fabric Captures Oil from Spills and Stormwater

Effective and Fast Oil Absorption. For more than 10 years now, Ultra Filter-Tex has been recognized as a critical tool in managing oil spills and filtering hydrocarbons from stormwater. Ultra Filter-Tex fabric pulls oils and other hydrocarbons from polluted water while allowing a high flow of clean, filtered water to pass through. It begins filtration of hydrocarbons immediately upon contact. It is a high-performance sorbent and filter media for use in stormwater management and also oil spill cleanup.

Oils pulled from the polluted water are held in the Filter-Tex fabric and not released back into the filtered water. Made from recycled synthetic fibers, Ultra Filter-Tex is environmentally benign and user-friendly. It does not leach harmful substances into the environment. With Ultra Filter-Tex, you can also reclaim up to 90% of the captured oils for reuse. Absorbing over 13 times its weight, every 5'x10' section of fabric can hold up to 8.3 gallons of oil. Ultra Filter-Tex can also be conditioned to remove other chemical compounds.



# Features and Benefits



## Features

- Made From Recycled Synthetic Fibers
- High-Performance Sorbent Fabric and Filter Media
- Can Be Infused With Oil-Eating Microbes
- Works The Same Wet or Dry

## Benefits

- Allows High Flow of Filtered Water to Pass Through
- Less Expensive Than Typical Poly Fabrics
- Environmentally Friendly
- Approx. 85-90% Captured Oils Can Be Reclaimed

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# Ultra Filter-Tex Fabric

## Specifications

	<b>L</b>	<b>W</b>	<b>H</b>
Roll Size	250 ft (76.2 m)	5 ft (1.5 m)	-
<b>Test</b>	<b>Method</b>	<b>Units Standars (Metric)</b>	<b>Result Standart (Metric)</b>
Mass Per Unit Area	ASTM 5261	oz/yd. (g/m)	11.0 (341.16)
Grab Tensile MD	ASTM D-4632	lbs (kg)	118 (53.5)
Grab Tensile TD	ASTM D-4632	lbs (kg)	89 (40.4)
Elongation at Peak MD	ASTM D-4632	percent	131
Elongation at Peak TD	ASTM D-4632	percent	172
Wide Width Tensile MD	ASTM D-4595	lbs/in (kg/cm)	33 (5.89)
Wide Width Tensile TD	ASTM D-4595	lbs/in (kg/cm)	23 (4.11)
Elongation at Break MD	ASTM D-4595	percent	110
Elongation at Break TD	ASTM D-4595	percent	156
Mullen Burst	ASTM D-3786	lbs/sq.in (kg/cm <sup>2</sup> )	214 (15)
Puncture Resistance	ASTM D-4833	lbs (kg)	72 (32.7)
Trapezoid Tear Strength MD	ASTM D-4533	lbs (kg)	64 (29)
Trapezoid Tear Strength TD	ASTM D-4533	lbs (kg)	45 (20.4)
Permittivity(Constant Head)	ASTM D-4491	sec <sup>-1</sup>	2.02
Permeability	ASTM D-4491	cm/sec	0.72
Flow Rate	ASTM D-4491	gal/ft <sup>2</sup> /min. (l/m <sup>2</sup> /min.)	151 (6152)
Apparent Opening Size / micron	ASTM D-4751	microns U.S. Sieve	100 140/150
Hydrocarbon Capacity (nominal)		gal/yd <sup>2</sup> (l/m <sup>2</sup> )	1.5 (6.79)





# Ultra Filter-Tex Fabric Uses

## Common Uses for Ultra Filter-Tex Fabric

### Stormwater & Surface Water Filtration

- End of pipe filter for sewer water discharge, utility vault pumpout
- Stormwater filtration in storm drains and curb inlets
- Polish and sheen removal from surface water runoff
- An additional filter to improve performance of oil water separators

### Construction & Manufacturing

- Ground cover under heavy equipment to absorb hydraulic fluid, oil leaks, and fuel spills
- Remove petroleum contaminants and sheen in sumps
- Retrofitting of oil and water separators to bring them current with compliance regulations
- Fine particle removal from wastewater
- Filters oils and sediment at storm drain entry locations

### General Applications

- A pretreatment for reclaiming wastewater
- A low cost pretreatment membrane for filtration
- Fine sheen removal
- Landfill protective refuse liner for long term absorption of oil
- Garbage truck bed liner to prevent leakage of oils on roadways

### Marine

- Oil spill cleanup, including every type of oil and viscosity
- Shoreline protection from oil spill
- Drilling platform, to filter process water before discharged back into the ocean, for compliance with international laws
- De-oiling of water in ship ballast tanks
- Filtering oil from bilge water
- Dock curtains for hydrocarbon clean up
- Hydrocarbon oil sheen elimination
- Use on boat scuppers to clean wash water from scrubbing deck

### Military

- Used by the US Navy, Coast Guard, and Air Force for maintenance, oil spills, and oil leaking from land based storage facilities
- Used by the US Army Corp of Engineers as a final polish for discharge water from oil water separators, prior to entering waterways



# Ultra Filter-Tex Fabric

## Oil Industry

- Oil spill cleanup on waterways and oceans
- Protection around tanks and storage areas
- Protection when transferring or transporting oil products
- Filtering refinery waste water
- Filtering drilling platform process water
- Fencing around refineries
- Polishing water from flushing tanks and pipelines
- Electrical substation ground water protection in case of a transformer oil spill
- To capture leaks from hydroelectric dam turbines, to ensure regulatory compliance



## Restaurants

- Filtering oils in floor drains and grease traps
- Filtering oils from mop water before disposal
- Absorbing roof-top oils around grill exhaust fans and vents
- Filtering oils from downspout discharge water



## Transportation

- Vehicle wash facilities for trucks, buses and heavy equipment
- Railroads: to absorb oil between tracks and under engines
- Airports: absorb runoff from zipper and trench drains, and for oil spills and leaks in maintenance hangers
- Fire Departments: for hazmat response



*Note: Used Ultra Filter-Tex can be incinerated as a fuel source with higher BTU's than coal and less than 1% residual ash. This is sustainability at its best!*

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For more complete information on One Clarion products and solutions, visit us on the web at [www.clarionmunicipal.com](http://www.clarionmunicipal.com).

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