



# FAIRMOUNT Water Solutions

Best Sand • Wedron Silica • Macrolite

# MACROLITE®

## OUTPERFORMS SAND AND ANTHRACITE.

And the numbers prove it.

When you replace sand or anthracite by retrofitting with Macrolite® engineered ceramic filtration medium, you enjoy huge performance improvements even in the same equipment. These numbers show the superiority of Macrolite® in a gravity filter processing 2 million gallons per day (2 mgd, or 300M<sup>3</sup>/hr).

	Sand & Anthracite	Macrolite®
Capacity	2 mgd	2 mgd
Flux	2.5 gpm/ft <sup>2</sup>	6.0 gpm/ft <sup>2</sup>
Filter Area	556 ft <sup>2</sup>	231 ft <sup>2</sup>
Media Depth	48"	24"
Backwash Rate	10,000 gpm	3,700 gpm
Backwash Waste	50,000 gal/day	37,000 gal/day
Effluent Turbidity	0.1 – 1.0 NTU	0.01 – 0.2 NTU

### FEATURES

- High surface roughness
- High surface area
- Greater sphericity (roundness)
- Relatively low specific gravity
- Control over specific gravity
- Higher flux (flow rate)

### BENEFITS

- Better effluent quality**
  - Improved dampening of influent quality disturbances
  - Higher flux—uses significantly less area
- Saves on plant expansion costs**
  - Lower chemical costs
  - Less waste water



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