



# MATRIX™ PLUS

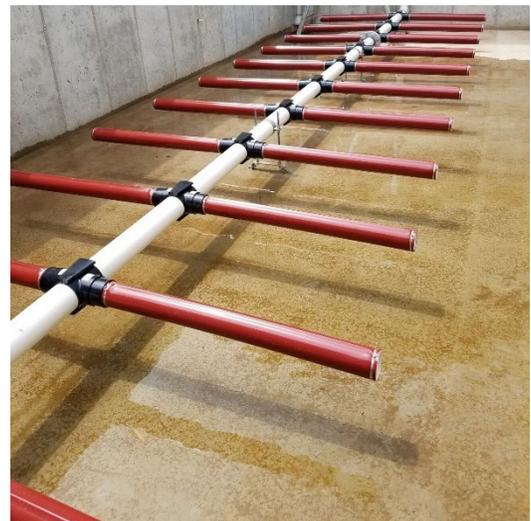
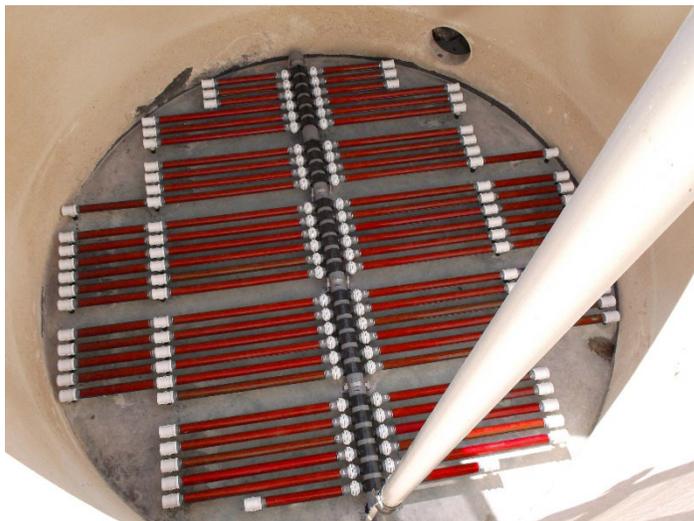
## FlexAir® Pro Panel and Tubular Diffuser Membrane Technologies

Environmental Dynamics International offers state-of-the-art membranes that incorporate PTFE to improve resistance to fouling and chemical attack. Polyurethane-based tubular membranes eliminate the issues associated with bonding of the PTFE coating to the base material, improving the life cycle of the plant and reducing maintenance and providing improved operational expenses.

### Material Features

- Available for FlexAir Pro Panel and Tubular diffuser technologies, ideally suited for industrial influents that require pressure stability and the best performance.
- High-quality polyurethane-based compounds that ensure extended membrane life expectancy.
- EDI's precision preformation technology is safeguarded by a dual-layer manufacturing process consisting of an internal high-temperature layer that interfaces with air at elevated temperatures, thereby enhancing thermal resistance; and an external coextruded PTFE layer, which prevents fouling and chemical attack on the water-borne side of the membrane and the inside of the slits, thereby enhancing operational reliability.
- The PTFE on a Matrix Plus membrane is guaranteed to never wear off and will remain an integral part of it during its lifetime.
- Suitable for temperatures between -45°C (-49°F) and 95°C (200°F) of mean wall temperature.

		Matrix™ Plus
Hardness (ASTM D2240)	Shore A	88 +/- 5
Specific Gravity (ASTM D792)	g/cm <sup>3</sup>	<1.2
Tensile Strength (ASTM D412)	psi MPa	>3500 >24.1
Tensile Modulus @100% elongation	psi MPa	>685 >4.7
Tensile Modulus @300% elongation	psi MPa	>1200 >8.3
Ultimate Elongation		>475%
Tear Strength	lb <sub>f</sub> /in kN/m	>150 >26



## Working with EDI is easy:

**1** We walk you through exactly what project info we need. Call +1 573 474 9456 or visit [wastewater.com](http://wastewater.com).

**2** We supply drawings, specs, best-in-class aeration, support, even install!

**3** You rest easy, knowing your plant has **Aeration for life®**



**SPECIFICATION: MATRIX PLUS MEMBRANES**  
(SS161-EA-24-01)