



Dow Water & Process Solutions

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## DOW FILMTEC™ FORTILIFE™ XC Elements

Clean Less, Recover More.

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Do you feel as if you're being "squeezed" both from reduced water availability and increasingly stringent regulations on discharge? The simple answer to reduce your fresh water demand and discharge less is at your fingertips with DOW FILMTEC™ FORTILIFE™ Elements.

Powered by Dow's FILMTEC™ technology complete with industry-leading reliability, exceptional cleanability and robust membrane, the DOW FILMTEC™ FORTILIFE™ family offers advantages for plants looking to reduce water costs, lower operating expenses, or move toward minimal liquid discharge (MLD). Helping meet your challenges in wastewater reuse and high water recovery operations especially in the power, chemical and petrochemical, steel and metals, textiles, and municipal wastewater markets.

## The DOW FILMTEC™ FORTILIFE™ XC Family

The DOW FILMTEC™ FORTILIFE™ XC family is comprised of three products each with individual features and benefits helping meet your MLD challenges. Used in combination, these products can help you:

DOW FILMTEC™ Element	Approximate TDS Treatment Range (ppm)*	Benefits
FORTILIFE™ XC70	15,000 – 70,000+	<ul style="list-style-type: none"> <li>• Allow concentrate TDS to reach &gt;70,000 ppm level, while operating within standard RO limits</li> <li>• Fouling resistance</li> <li>• Increase productivity</li> <li>• Less frequent cleaning, more up-time, longer element life</li> </ul>
FORTILIFE™ XC80	15,000 – 80,000+	<ul style="list-style-type: none"> <li>• Allow concentrate TDS to reach &gt;80,000 ppm level, while operating within standard RO limits</li> <li>• Fouling resistance</li> <li>• Reduce discharge with standard RO system designs</li> <li>• Less frequent cleaning, more up-time, longer element life</li> </ul>
FORTILIFE™ XC-N	0 – 80,000+	<ul style="list-style-type: none"> <li>• Highly selective membrane with high mono-valent ion passage</li> <li>• High permeability at low pressures and high TDS levels</li> <li>• Purified, high concentration brine solution for reuse</li> <li>• Less dissolved solid waste</li> <li>• Low energy operation</li> </ul>

\*approximated based on the osmotic strength of NaCl. The TDS value can be higher for solutes with lower osmotic strengths such as Na<sub>2</sub>SO<sub>4</sub>.

## Helping businesses treat water better worldwide.

A global leader in technologies for industrial water treatment, Dow is trusted by companies in virtually every industry from innovative solutions, expert support and unmatched reliability. And we're continually improving our products, updating designs, and delivering new technologies to meet industries' evolving water treatment needs.

## Key Markets and Common Challenging Water Applications

### Fossil Power Generation

- Flue Gas Desulfurization
- Cooling tower blow-down
- RO Concentrate



### Chemical & Petrochemical

- Cooling tower blow-down
- Process wastewaters
- RO Concentrate



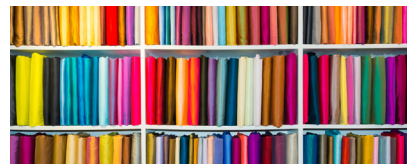
### Steel & Metal

- Cooling tower blow-down
- Process wastewaters
- RO Concentrate



### Textiles

- Process wastewaters
- RO Concentrate



### Water & Process Solutions

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