

The highest value in resins for water treatment

# Aldex Higher Cross-linked Resins

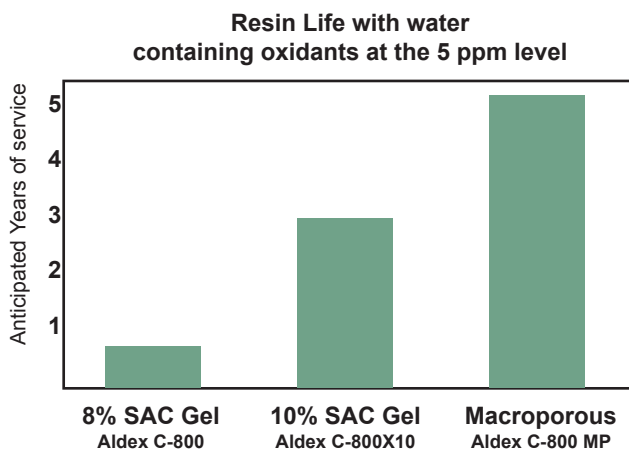
Aldex resins for water treatment have always delivered outstanding performance. With the development of higher cross-linked resins, Aldex manufactures extended-life resins that deliver the best value today for consistent quality and top performance at the lowest operating cost.

## The Science of Aldex Higher Cross-Linked Resin

Higher cross-linked (XL) resins have greater resistance to oxidants such as chlorine and ozone that react with and break down resins. Higher XL resins will last longer in water that has elevated oxidant levels (greater than 1 ppm). Higher cross-linked resins are also more efficient at removing tannins, color, organics and reducing TOC overall.

### Analysis demonstrates value

A 10-year case study in an actual residential environment reveals the reduction of media needed over time with the use of higher cross-linked resin.



### Higher cross-linked designs last dramatically longer.

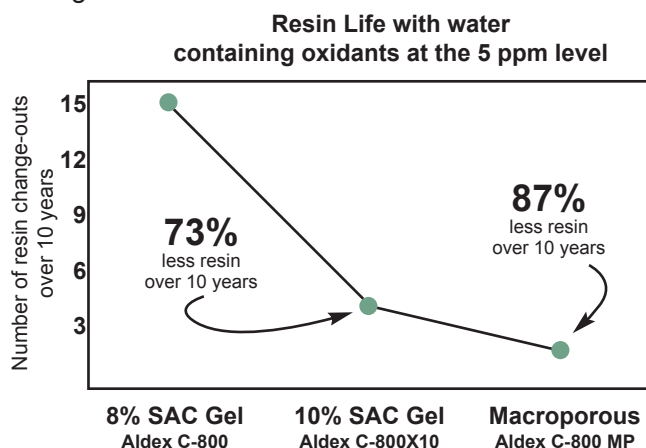
In general, for every increase of 1 ppm the resin life will be cut approximately in half. The chart below compares the number of change-outs that will be required over a 10-year period with each type of resin.

**Resin change-outs over 10 years**

Oxidant level 5 ppm	Expected life span	Number of change-outs
8% (C-800)	5-6 months	15
10% (C-800X10)	3-4 years	4
16% (C-800 MP)	5 years	2

## Reduced cost / more convenience

When projected over ten years a comparison of resin cost vs lifespan shows the economic benefit of using higher cross-linked resins. While XL resins have a higher up-front cost, the cost is more than offset by the extended life of the resin and reduction of needed change-outs.



### High value

Typically, C-800 X10 resin costs approximately 20% more than C-800; C-800 MP is roughly 2 times the cost of C-800. The dramatic reduction in resin consumption combined with the reduction of needed change-outs makes higher cross-linked XL resin a far better value, with an estimated savings of up to 75% over using low cross-linked resins over the life of the water treatment system.



- Aldex C-800** 8% Strong Acid Cation Resin
- Aldex C-800X10** 10% Strong Acid Cation Resin
- Aldex C-800 MP** 16% Strong Acid Cation Resin