

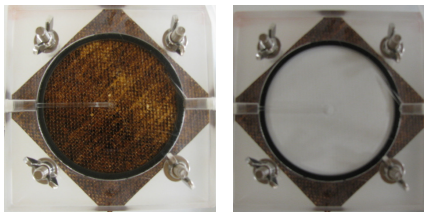
# RoClean and AvistaClean® Cleaners for Spiral Wound RO Membranes

Product Selection Guide

Avista Technologies formulates a wide range of specialty cleaners to address all common membrane foulants. The table below summarizes the use application for each product. Detailed technical data sheets are available via our website or on request. All products are applied as dilute solutions using RO permeate or high quality potable water. Drinking water certifications are available upon request and include NSF (USA) and Secretary of State (UK). Membrane manufacturer and other industry approvals are also available.

Avista also provides assistance with product selection and use instructions, and performs laboratory cell tests or OSCAR cleans on site-specific membranes to identify the most effective products. Site supervision is available for clean-in-place activities.

For use on: Cellulose Acetate Membranes		FOULANT									
		Metals		Scale			Silt	Organics		Chemical	
For use on: Polyamide Membranes		Product Name	Iron Manganese Aluminum	Calcium Carbonate	Sulfate	Silica		Non Biological	Biological	Hydrocarbon	Polymer
Liquids	AvistaClean L011		x					x	x	x	x
	RoClean L102	x	x						x		
	RoClean L211	x					x	x	x		
	RoClean L212	x					x	x	x		
	RoClean L403	x	x	x	x						
	RoClean L404	x	x	x	x						
	RoClean L607		x				x	x	x		
	RoClean L811	x				x					
Powders	AvistaClean P312	x					x	x	x		
	RoClean P111	x					x	x	x		
	RoClean P112	x				x	x	x	x		
	RoClean P303	x	x	x	x						
	RoClean P507		x				x	x	x		
	RoClean P703	x	x	x							
	RoClean P911	x					x	x	x	x	



Laboratory cleaning studies test a variety of cleaners on site-specific membranes to determine the most effective products. These cell test photos show the same membrane before and after a RoClean circulation.

