The resistance of the gratings and edge rails should also be considered.

This chemical resistance chart refers to chemical at ambient temperatures (20°C) and the results are for general guidance only.

Important considerations for chemical environments.

When reviewing potential applications for ACO Qmax® in chemical environments, the following issues should be considered:

- Type(s) & mixture of chemical(s)
- Concentration percentages
- Contact time with drainage system
- Temperatures of chemicals flowing into the drainage system (80°C max)
- Flushing system employed to clear chemicals from the drainage system
- Cleaning agents should be checked for compatibility with channel materials
- ACO material samples can be used for final determination of chemical resistance
- Edge rails, seals, access and silt chamber materials should be checked for chemical resistance

	Resistance:
	Medium
% conc	Density
	Polyethylene
Greater than 96%	YES
10% - 100%	YES
100%	YES
100%	YES
SOL	YES
SAT SOL	YES
SAT SOL	YES
SAT SOL	YES
SAT SOL	YES
SAT SOL	YES
100%	YES
SAT SOL	YES
100%	YES
100%	Limited
100%	YES
SAT SOL	YES
SAT SOL	YES
100%	NO
100%	NO
100%	YES
100%	YES
SAT SOL	YES
100%	Limited
100%	Limited
SOL	YES
100%	Limited
2% SAT SOL	YES
100%	NO
100%	NO
50%	YES
SAT SOL	YES
20%	YES
50%	YES
SAT SOL	YES
SAT SOL	YES
100%	YES
100%	YES
100%	YES
40%	YES
	YES
100%	YES
100%	YES
SAT SOL	YES
	YES
SAT SOL	YES
	YES
	YES
	YES
	YES
100%	YES
Concentrate	YES
	96% 10% - 100% 100% SOL SAT SOL SAT SOL SAT SOL SAT SOL 100% SAT SOL 100% SAT SOL 100% 100% SAT SOL 100% SAT SOL 100% 100% SAT SOL SAT SOL SAT SOL SAT SOL SAT SOL SAT SOL 100% 100% SAT SOL SAT SOL SAT SOL 100% SAT SOL SAT SOL 100% 100% SOL 100% 100% SOL 100% SAT SOL 100% SAT SOL 100% SAT SOL 100% SAT SOL SAT SOL 100% SAT SOL

		Resistance:
		Medium
		Density
Chemical medium	% conc	Polyethylene
Hydrofluoric Acid	Concentrate	YES
Hydrogen Peroxide	30-90%	YES
Lactic Acid	100%	YES
Lead Acetate	SAT SOL	YES
Magnesium Chloride	SAT SOL	YES
Magnesium Sulphate	SAT SOL	YES
Maleic Acid	Concentrate	YES
Motor Oil	100%	YES
Nickel Chloride	SAT SOL	YES
Nickel Sulphate	SAT SOL	YES
Nitric Acid	25%	YES
Nitrobenzine	100%	NO
Oleic Acid	100%	YES
Oxalic Acid	100%	YES
Phosphoric Acid	98%	YES
Phosphorous	100%	YES
Trich l oride		
Petro l	100%	Limited
Potassium Carbonate	SAT SOL	YES
Potassium Chloride	SAT SOL	YES
Potassium Dichromate	SAT SOL	YES
Potassium Hydroxide	10%	YES
Potassium Nitrate	SAT SOL	YES
Potassium Permanganate	20%	YES
Potassium Sulphate	SAT SOL	YES
Pyridine	100%	YES
Sodium Acetate	SAT SOL	NO
Sodium Bromide	SAT SOL	YES
Sodium Carbonate	SAT SOL	YES
Sodium Chlorate	SAT SOL	YES
Sodium Chloride	SAT SOL	YES
Sodium Hydroxide (Caustic Soda)	Concentrate	YES
Sodium Hypochlorite	15%	YES
Sodium Nitrate	SAT SOL	YES
Sodium Nitrite	SAT SOL	YES
Sodium Phosphate	SAT SOL	YES
Sodium Sulphate	SAT SOL	YES
Sodium Sulphide	SAT SOL	YES
Stearic Acid	SAT SOL	YES
Styrene	SOL	Limited
Sulphuric Acid	10%	YES
Sulphuric Acid	50%	YES
Sulphuric Acid	70%	YES
Sulphuric Acid	80%	YES
Sulphuric Acid	98%	YES
Sulphuric Acid	FUMING	NO
Tetrachloroethylene	100%	NO
Thionyl Chloride	100%	NO
Toluene	100%	Limited
Turpentine	100%	Limited
Water	100%	YES
Xylene	100%	Limited
Zinc Sulphate	SAT SOL	YES