

Factors Which can be Controlled		Properties of the Matrix		Transport Processes		Deterioration Processes
		Hydrate structure		Pressure driven flow		Freeze-thaw
Water to cement ratio		Pore interconnection (formation factor)		Diffusion		Sulphate attack
Curing conditions		Porosity (total pore volume)		Electromigration		Alkali-silica reaction
Environmental conditions		Pore fluid content		Thermal gradient		Reinforcement corrosion
Degree of compaction		Pore fluid chemistry		Osmosis		Salt crystallisation
Cement type		Matrix chemistry		Capillary suction		
		Microcracking		Adsorption		