ACON PRODUCTS

APLHA MIX - APPLICABLE STANDARDS

ASTM C-39: Compressive Strength	(Normal Environment) Alpha Mix specimen had 10% more strength. (Severe Environment) Using 15% NaCl, Alpha Mix specimen had 10% more strength.
ASTM C-67 Section 7: Water Absorption	Water absorption of treated concrete was decreased by 90%.
ASTM C-67-Section 9: Suction	The rate of absorption of concrete (suction) was decreased about 98%.
ASTM C-67-Section 10: Efflorescence	Efflorescence and leaching are greatly reduced or eliminated.
ASTM C-67-Section 13:	
ASTM C-67-Section 25:	
ASTM C-67-Section 29:	
ASTM C-67-Section 65: ORF Method, Dusting Resistance	Treated concrete is four times more abrasion (dusting) resistant.
ASTM C-78: Flexural Tensile Strength	(Normal Environment) Alpha Mix specimen had 10% more strength. (Severe Environment) Using 15% NaCl, Alpha Mix specimen had 10% more strength.
ASTM C-23-69: Artificial Weathering	Artificial weathering does not diminish treated concrete.
ASTM C-114: Chloride Penetration	
ASTM C-140: Water Repellency Rating	
ASTM C-156: Water Retention	
ASTM D-327: Sulfate durability	
ASTM C-514: Permeability	
ASTM C-496: Splitting Tensile Strength	(Normal Environment) Alpha Mix specimen had 10% more strength. (Severe Environment) Using 15% NaCl, Alpha Mix specimen had 10% more strength.
ASTM C-518: Thermal Conductivity-Thermal Resistance	
ASTM C-672-760: Scaling resistance to Deicers	Treated concrete imparts superb resistance to salt attack.
ASTM C-666: Freeze Thaw Resistance	Improves resistance to freeze-thaw damage.
ASTM C-856: Petrographic Analysis	Specimens have 50% greater density, which results in less permeability.
ASTM C-1664: Non-volatility	
ASTM D-2047: Slip Resistance	Wet and Dry testing showed that treated concrete had better slip resistance
ASTM D-4541: Adhesion “Bond” Test	
ASTM D-5084: Permeability Testing	
ASTM E-96: Moisture Vapor Transmission	An effective barrier against water vapor emission, without loss of breathability.
ASSHTO T259-80: Chloride Ion Penetration	Reduces chloride intrusion in hardened concrete.
ASSHTO T260: Chloride Ion Content	
DIN-1048: Water Penetration	Significantly reduces the depth of water penetration.
CRD-52-54: Abrasion Resistance	Significantly increased abrasion resistance.
NCHRP 244: Reduction of Chloride Penetration	
NCHRP 244-Series IV: Moisture Vapor Transmission	
USDA Approved For Use In Food Processing Areas	
EPA Compliant	